

Journal of Nuclear Materials 290-293 (2001) 1222-1255



www.elsevier.nl/locate/jnucmat

Amorphization and Amorphous Materials Surface tension enhancement of TRIM sputtering yields for liquid metal targets, A. Grossman, R.P. Doer- ner and S. Luckhardt Reactivity of lithium-containing	290–293 (2001) 80	Jacob, V.G. Konovalov, S. Masuzaki, O. Motojima, D.V. Orlinskij, V.L. Poperenko, I.V. Ryzhkov, A. Sagara, A.F. Shtan, S.I. Solodovchenko and M.V. Vinnichenko	290–293 (2001)	336
amorphous carbon (a-C) films, M. Töwe, P. Reinke and P. Oelhafen Wall conditioning by microwave generated plasmas in a toroidal magnetic field, J. Ihde, H.B. Störk, J. Winter, M. Rubel, H.G. Esser and	290–293 (2001) 153	Carbon  Review of initial experimental results of the PSI studies in the large he- lical device, S. Masuzaki, K. Akaishi, H. Funaba, M. Goto, K. Ida, S. Inagaki, N. Inoue, K. Ka-		
H. Toyoda  Analytical Instruments and Methods  A 2D fluid model of the scrape-off layer (SOL) using adaptive unstructured finite volumes, F. Subba	290–293 (2001) 1180	wahata, A. Komori, Y. Kubota, T. Morisaki, S. Morita, Y. Nakamura, K. Narihara, K. Nishimura, N. Noda, N. Ohyabu, B.J. Peterson, A. Sagara, R. Sakamoto, K. Sato, M. Shoji, H. Suzuki, Y.		
and R. Zanino  Beryllium, Beryllium Alloys and Compou	290–293 (2001) 743 ands	Takeiri, K. Tanaka, T. Tokuzawa, T. Watanabe, K. Tsuzuki, T. Hino, Y. Matsumoto, S. Kado, O. Mo-		
Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraß	290–293 (2001) 25	tojima and LHD Experimental Group Mixed material formation and erosion,	290–293 (2001)	12
Formation of mixed layers and com- pounds on beryllium due to C <sup>+</sup> and CO <sup>+</sup> bombardment, P. Goldstrass and Ch. Linsmeier	290–293 (2001) 71	Ch. Linsmeier, J. Luthin and P. Goldstraß  Solid-state reaction between tungsten and hydrogen-containing carbon	290–293 (2001)	25
Surface reactions on beryllium after carbon vapour deposition and thermal treatment, P. Goldstrass,	250 255 (2001)	film at elevated temperature, K. Ashida, K. Fujino, T. Okabe, M. Matsuyama and K. Watanabe	290–293 (2001)	42
K.U. Klages and Ch. Linsmeier Tritium retention in neutron-irra- diated low-Z materials for use as plasma facing materials, F. Scaffi-	290–293 (2001) 76	Chemical erosion of carbon doped with different fine-grain carbides, M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J.		
di-Argentina, C. Sand and C.H. Wu Erosion/deposition issues at JET, J.P.	290–293 (2001) 211	Etxeberria  Formation of mixed layers and compounds on beryllium due to C <sup>+</sup> and	290–293 (2001)	52
Coad, N. Bekris, J.D. Elder, S.K. Erents, D.E. Hole, K.D. Lawson, G.F. Matthews, RD. Penzhorn		CO <sup>+</sup> bombardment, P. Goldstrass and Ch. Linsmeier Surface reactions on beryllium after	290–293 (2001)	71
and P.C. Stangeby  Some problems arising due to plasma— surface interaction for operation of the in-vessel mirrors in a fusion reactor, V.S. Voitsenya, A.F. Bardamid, V.N. Bondarenko, W.	290–293 (2001) 224	carbon vapour deposition and thermal treatment, P. Goldstrass, K.U. Klages and Ch. Linsmeier Mixed-material coating formation on tungsten surfaces during plasma exposure in TEXTOR-94, D. Hil-	290–293 (2001)	76

debrandt, P. Wienhold and W. Schneider	290–293 (2001)	89	Philipps, A. Pospieszczyk, P. Wienhold and J. Winter	290–293 (2001)	238
Synergistic effects by simultaneous bombardment of tungsten with			Dust characterization and analysis in Tore-Supra, Ph. Chappuis, E. Tsi-		
hydrogen and carbon, K. Krieger			trone, M. Mayne, X. Armand, H.		
and J. Roth	290–293 (2001)	107	Linke, H. Bolt, D. Petti and J.P.		
Influence of oxygen on the carbide			Sharpe	290–293 (2001)	245
formation on tungsten, J. Luthin	200 202 (2001)	101	Transport of and deposition from hy-		
and Ch. Linsmeier	290–293 (2001)	121	drocarbon radicals in a flow tube		
Simulation study on retention and re-			downstream from a CH <sub>4</sub> RF dis-		
flection from tungsten carbide un- der high fluence of helium ions, T.			charge, A.E. Gorodetsky, I.I. Arkhipov, R.Kh. Zalavutdinov,		
Ono, T. Kawamura, T. Kenmotsu			A.P. Zakharov, Yu.N. Tolmachev,		
and Y. Yamamura	290–293 (2001)	140	S.P. Vnukov and V.L. Bukhovets	290-293 (2001)	271
Carbon erosion mechanisms in toka-	270-273 (2001)	140	Comparison of impurity production, re-	270-273 (2001)	2/1
mak divertor materials: insight			cycling and power deposition on		
from molecular dynamics simula-			carbon and tungsten limiters in		
tions, E. Salonen, K. Nordlund,			TEXTOR-94, A. Huber, V. Philipps,		
J. Keinonen and C.H. Wu	290-293 (2001)	144	A. Pospieszczyk, A. Kirschner, M.		
Influence of diffusion on W sputtering	,		Lehnen, T. Ohgo, K. Ohya, M. Ru-		
by carbon, K. Schmid, J. Roth and			bel, B. Schweer, J. von Seggern, G.		
W. Eckstein	290-293 (2001)	148	Sergienko, T. Tanabe and M. Wada	290-293 (2001)	276
Reactivity of lithium-containing			Rapid diffusion of lithium into bulk		
amorphous carbon (a-C) films, M.			graphite in lithium conditioning,		
Töwe, P. Reinke and P. Oelhafen	290–293 (2001)	153	N. Itou, H. Toyoda, K. Morita and		
Energy distributions of CD <sub>4</sub> and CD <sub>3</sub>			H. Sugai	290–293 (2001)	281
chemically released from graphite			Effects of condensible impurities on		
by $D^+$ and $D^0/Ne^+$ impact, E.			the erosion behavior of the plasma-		
Vietzke	290–293 (2001)	158	facing materials, N. Ohno, S. Uno,		
Implantation, erosion, and retention			Y. Hirooka and S. Takamura	290–293 (2001)	299
of tungsten in carbon, R.A. Zuhr,			Simulation calculations of mutual		
J. Roth, W. Eckstein, U. von Toussaint and J. Luthin	200, 202 (2001)	162	contamination between tungsten and carbon and its impact on		
Chemical erosion of doped graphites	290–293 (2001)	102	plasma surface interactions, K.		
for fusion devices, C. García-Ro-			Ohya, R. Kawakami, T. Tanabe,		
sales and M. Balden	290–293 (2001)	173	M. Wada, T. Ohgo, V. Philipps, A.		
The primary results for the mixed	270-273 (2001)	173	Pospieszczyk, A. Huber, M. Rubel,		
carbon material used for high flux			G. Sergienko and N. Noda	290-293 (2001)	303
steady-state tokamak operation in			Spectroscopic investigation on the im-	230 233 (2001)	505
China, Q.G. Guo, J.G. Li, G.T.			purity influxes of carbon and silicon		
Zhai, L. Liu, J.R. Song, L.F.			in the ASDEX upgrade experiment,		
Zhang, Y.X. He and J.L. Chen	290-293 (2001)	191	R. Pugno, A. Kallenbach, D. Bol-		
Tritium retention in neutron-irra-			shukhin, R. Dux, J. Gafert, R. Neu,		
diated low- $Z$ materials for use as			V. Rohde, K. Schmidtmann, W.		
plasma facing materials, F. Scaffi-			Ullrich, U. Wenzel and ASDEX		
di-Argentina, C. Sand and C.H.			Upgrade Team	290–293 (2001)	308
Wu	290–293 (2001)	211	Carbon layers in the divertor of ASDEX		
Erosion/deposition issues at JET, J.P.			Upgrade, V. Rohde, H. Maier, K.		
Coad, N. Bekris, J.D. Elder, S.K.			Krieger, R. Neu, J. Perchermaier	200 202 (2001)	215
Erents, D.E. Hole, K.D. Lawson,			and ASDEX Upgrade Team	290–293 (2001)	31/
G.F. Matthews, RD. Penzhorn	200, 202 (2001)	224	Chemical erosion yields and photon		
and P.C. Stangeby	290–293 (2001)	224	efficiency measurements in the JET gas box divertor, M.F. Stamp, S.K.		
Surface reactions of hydrocarbon ra- dicals: suppression of the re-			Erents, W. Fundamenski, G.F.		
deposition in fusion experiments			Matthews and R.D. Monk	290–293 (2001)	321
via a divertor liner, A. von Keudell,			Studies of tungsten erosion at the inner	270-273 (2001)	321
T. Schwarz-Selinger, W. Jacob and			and outer main chamber wall of		
A. Stevens	290-293 (2001)	231	the ASDEX Upgrade tokamak,		
Modelling of erosion and deposition at	()		A. Tabasso, H. Maier, J. Roth, K.		
limiter surfaces and divertor target			Krieger and ASDEX Upgrade		
plates, A. Kirschner, A. Huber, V.			Team	290–293 (2001)	326

1224	Su	ibject index	
Net erosion measurements on plasma facing components of Tore Supra, E. Tsitrone, P. Chappuis, Y. Corre, E. Gauthier, A. Grosman and J.Y.	200 202 (2001) 222	nents, M. Rubel, P. Wienhold and D. Hildebrandt Tritium decontamination of TFTR carbon tiles employing ultra violet	290–293 (2001) 473
Pascal Erosion and deposition effects on the vessel wall of TEXTOR-94, J. von Seggern, M. Mayer, D. Reiser, M. Rubel and V. Philipps Reduction of divertor carbon sources	290–293 (2001) 331 290–293 (2001) 341	Gentile, Y. Oya, H. Nakamura, T. Hayashi, Y. Iwai, Y. Kawamura, S. Konishi, M.F. Nishi and K.M.	290–293 (2001) 482
in DIII-D, D.G. Whyte, W.P. West, R. Doerner, N.H. Brooks, R.C. Isler, G.L. Jackson, G. Porter, M.R. Wade and C.P.C. Wong Investigation of carbon transport in	290–293 (2001) 356	carbon samples from the erosion dominated inner vessel walls of JET, C. Stan-Sion, R. Behrisch,	
the scrape-off layer of TEXTOR- 94, P. Wienhold, H.G. Esser, D. Hildebrandt, A. Kirschner, M.	200, 202 (2001), 263	Nolte, A. Peacock, L. Rohrer and J. Roth In situ measurement of hydrogen re- tention in JET carbon tiles, D.D.R.	290–293 (2001) 491
Mayer, V. Philipps and M. Rubel Laboratory study of the transport and condensation of hydrocarbon ra- dicals and its consequences for	290–293 (2001) 362	Summers, M.N.A. Beurskens, J.P. Coad, G. Counsell, W. Fundamenski, G.F. Matthews and M.F.	
mitigating the tritium inventory in the ITER-FEAT divertor, I.I. Ar- khipov, G. Federici, A.E. Gor- odetsky, C. Ibbott, D.A. Komarov, A.N. Makhankov, A.V. Markin, I.V. Mazul, R. Tivey, A.P. Za-	200 202 (2001), 20	Stamp Thermography of target plates with near-infrared optical fibres at Tore Supra, R. Reichle, V. Basiuk, V. Bergeaud, A. Cambe, M. Chantant, E. Delchambre, M. Druetta,	290–293 (2001) 496
kharov and R.Kh. Zalavutdinov Particle trapping in carbon walls during ICRH heating in Tore Supra, C. Grisolia, J. Hogan, Ph. Ghendrih, T. Loarer, J. Gunn, P. Monier-Garbet, M. Becoulet and Th. Hutter Comparison of hydrogen and tritium	290–293 (2001) 39 <sup>2</sup> 290–293 (2001) 40 <sup>2</sup>	Pocheau  Consistency check of Z <sub>eff</sub> measurements in ergodic divertor plasmas on Tore Supra, B. Schunke, C. De	290–293 (2001) 701
uptake and retention in JET, D.L. Hillis, J. Hogan, J.P. Coad, G. Duxbury, M. Groth, H.Y. Guo, L. Horton, G. Matthews, A. Meigs, P. Morgan, M. Stamp and M. von Hellermann	290–293 (2001) 418	and O. Meyer  Modeling of carbon transport in the divertor and SOL of DIII-D during high performance plasma operation, W.P. West, G.D. Porter, T.E.	290–293 (2001) 715
Role of grain boundaries and carbon deposition in deuterium retention behavior of deuterium plasma exposed tungsten, D.A. Komarov, A.V. Markin, S.Yu. Rybakov and A.P. Zakharov	290–293 (2001) 433	M.E. Fenstermacher, R.C. Isler, T.D. Rognlien, M.R. Wade, D.G. Whyte and N.S. Wolf The effect of divertor tile material on radiation profiles in LHD, B.J.	290–293 (2001) 783
Tritium detection in plasma facing component by imaging plate technique, K. Miyasaka, T. Tanabe, G. Mank, K.H. Finken, V. Philipps, D.S. Walsh, K. Nishizawa and T.		moto, K. Sato, S. Inagaki, A. Sagara, S. Ohdachi, Y. Nakamura, N. Noda, Y. Xu, J.E. Rice, N. Ashikawa, S. Yamamoto, M. Takechi, K. Toi, S. Morita, M. Goto,	
Saze A study of tritium decontamination of deposits by UV irradiation, Y. Oya, W. Shu, S. O'hira, T. Hayashi, H. Nakamura, T. Sakai, T. Tadokoro, K. Kobayashi, T.	290–293 (2001) 448	M. Sato, M. Osakabe, K. Tanaka, T. Tokuzawa, S. Sakakibara, M. Shoji, K. Kawahata, O. Kaneko, N. Ohyabu, H. Yamada, A. Komori, K. Yamazaki, S. Sudo	
Suzuki and M. Nishi Fuel accumulation in co-deposited layers on plasma facing compo-	290–293 (2001) 469		290–293 (2001) 930

Fundamenski, M. von Hellermann,		Methane formation in graphite and		
L. Horton, K. Lawson, G.		boron-doped graphite under si-		
McCracken, J. Spence, M. Stamp		multaneous O <sup>+</sup> and H <sup>+</sup> irradiation,		
and K-D. Zastrow	290–293 (2001) 972	A.Y.K. Chen, J.W. Davis and A.A.		
Material erosion and erosion products		Haasz	290–293 (2001)	61
under plasma heat loads typical for		Formation of mixed layers and com-		
ITER hard disruptions, V. Sa-		pounds on beryllium due to $C^+$ and		
fronov, N. Arkhipov, V. Bakhtin,		CO <sup>+</sup> bombardment, P. Goldstrass	200 202 (2001)	71
S. Kurkin, F. Scaffidi-Argentina,		and Ch. Linsmeier	290–293 (2001)	71
D. Toporkov, S. Vasenin, H. Würz	200 202 (2001) 1052	Surface reactions on beryllium after		
and A. Zhitlukhin	290–293 (2001) 1052	carbon vapour deposition and		
Cloud drifts over eroding surfaces in		thermal treatment, P. Goldstrass,	290–293 (2001)	76
magnetic field configurations with		K.U. Klages and Ch. Linsmeier Reactivity of lithium-containing	290–293 (2001)	70
three field components, P. Lalousis, R. Schneider and L.L.		amorphous carbon (a-C) films, M.		
Lengyel	290-293 (2001) 1084	Töwe, P. Reinke and P. Oelhafen	290-293 (2001)	153
Experimental study of radiation power	290–293 (2001) 1084	Energy distributions of CD <sub>4</sub> and CD <sub>3</sub>	290–293 (2001)	133
flux on the target surface during		chemically released from graphite		
high heat plasma irradiation, V.N.		by $D^+$ and $D^0/Ne^+$ impact, E.		
Litunovsky, I.B. Ovchinnikov and		Vietzke	290-293 (2001)	158
V.A. Titov	290-293 (2001) 1112	Chemical erosion of doped graphites	270 273 (2001)	130
Combined sheath and thermal analysis	290 293 (2001) 1112	for fusion devices, C. García-Ro-		
of overheated surfaces in fusion		sales and M. Balden	290-293 (2001)	173
devices, D. Naujoks and J.N.		Surface reactions of hydrocarbon ra-		
Brooks	290-293 (2001) 1123	dicals: suppression of the re-de-		
Vertical target and FW erosion during	, ,	position in fusion experiments via a		
off-normal events and impurity		divertor liner, A. von Keudell, T.		
production and transport during		Schwarz-Selinger, W. Jacob and A.		
ELMs typical for ITER-FEAT, H.		Stevens	290-293 (2001)	231
Würz, S. Pestchanyi, B. Bazylev, I.		Reduction of divertor carbon sources		
Landman and F. Kappler	290–293 (2001) 1138	in DIII-D, D.G. Whyte, W.P.		
Wall conditioning by microwave gen-		West, R. Doerner, N.H. Brooks,		
erated plasmas in a toroidal mag-		R.C. Isler, G.L. Jackson, G. Por-		
netic field, J. Ihde, H.B. Störk, J.		ter, M.R. Wade and C.P.C. Wong	290–293 (2001)	356
Winter, M. Rubel, H.G. Esser and		Spectral profile analysis of the $D\alpha$ line		
H. Toyoda	290–293 (2001) 1180	in the divertor region of Tore-		
		Supra, A. Escarguel, R. Guirlet, A.		
Ceramics (not listed elsewhere)		Azéroual, B. Pégourié, J. Gunn, T.		
Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P.		Loarer, H. Capes, Y. Corre, C. De Michelis, L. Godbert-Mouret, M.		
Goldstraß	290–293 (2001) 25	Koubiti, M. Mattioli and R.		
Role of grain boundaries and carbon	290–293 (2001) 23	Stamm	290–293 (2001)	854
deposition in deuterium retention		Impurity release and recycling beha-	290-293 (2001)	034
behavior of deuterium plasma ex-		viour in TEXTOR-94 with silico-		
posed tungsten, D.A. Komarov,		nised walls, V. Philipps, A. Huber,		
A.V. Markin, S.Yu. Rybakov and		H.G. Esser, A. Pospieszczyk, B.		
A.P. Zakharov	290-293 (2001) 433	Schweer, J. von Seggern, W. Biel, J.		
	,	Rapp and U. Samm	290-293 (2001)	1190
Chemical Reactions (includes Electrod	chemical and Thermo-	• •	, ,	
chemical Reactions		Coatings and Coated Particles		
Mixed material formation and erosion,		Mixed material formation and erosion,		
Ch. Linsmeier, J. Luthin and P.		Ch. Linsmeier, J. Luthin and P.		
Goldstraß	290–293 (2001) 25	Goldstraß	290–293 (2001)	25
Mechanism of the chemical erosion of		Influence of oxygen on the carbide		
SiC under hydrogen irradiation,	200 202 (2001)	formation on tungsten, J. Luthin	200 202 222	
M. Balden, S. Picarle and J. Roth	290–293 (2001) 47	and Ch. Linsmeier	290–293 (2001)	121
Chemical erosion of carbon doped		Silicon diffusion in amorphous carbon		
with different fine-grain carbides,		films, E. Vainonen-Ahlgren, T.		
M. Balden, C. García-Rosales, R.		Ahlgren, L. Khriachtchev, J. Li-		
Behrisch, J. Roth, P. Paz and J. Etxeberria	290–293 (2001) 52	konen, S. Lehto, J. Keinonen and C.H. Wu	290–293 (2001)	216
LIACUCITIA	270-293 (2001) 32	C.11. YY U	230-233 (2001)	210

Rapid diffusion of lithium into bulk graphite in lithium conditioning, N. Itou, H. Toyoda, K. Morita and H. Sugai Erosion and deposition effects on the	290–293 (2001) 281	Effects of condensible impurities on the erosion behavior of the plasma- facing materials, N. Ohno, S. Uno, Y. Hirooka and S. Takamura	290–293 (2001) 299
vessel wall of TEXTOR-94, J. von Seggern, M. Mayer, D. Reiser, M. Rubel and V. Philipps Particle control in the sustained spher- omak physics experiment, R.D. Wood, D.N. Hill, E.B. Hooper, D.	290–293 (2001) 341	Copper, Copper Alloys and Compounds Studies of tungsten erosion at the inner and outer main chamber wall of the ASDEX Upgrade tokamak, A. Ta- basso, H. Maier, J. Roth, K. Krieger and ASDEX Upgrade Team	290–293 (2001) 326
Buchenauer, H. McLean, Z. Wang, S. Woodruff and G. Wurden Operation of TEXTOR-94 with tungsten poloidal main limiters, A. Pospieszczyk, T. Tanabe, V. Philipps, G. Sergienko, T. Ohgo, K. Kondo, M. Wada, M. Rubel, W.	290–293 (2001) 513	Some problems arising due to plasma— surface interaction for operation of the in-vessel mirrors in a fusion reactor, V.S. Voitsenya, A.F. Bar- damid, V.N. Bondarenko, W. Jacob, V.G. Konovalov, S. Masu- zaki, O. Motojima, D.V. Orlinskij,	230-233 (2001) 320
Biel, A. Huber, A. Kirschner, J. Rapp and N. Noda  Peculiarity of deuterium ions interaction with tungsten surface in the	290–293 (2001) 947	V.L. Poperenko, I.V. Ryzhkov, A. Sagara, A.F. Shtan, S.I. Solodovchenko and M.V. Vinnichenko	290–293 (2001) 336
condition imitating combination of		Defects and Defect Structures (excludes	by Irradiation)
normal operation with plasma dis- ruption in ITER, M.I. Guseva, V.I. Vasiliev, V.M. Gureev, L.S. Da- nelyan, B.I. Khirpunov, S.N. Kor- shunov, V.S. Kulikauskas, Yu.V.		Deuterium retention and lattice da- mage in tungsten irradiated with D ions, V.Kh. Alimov, K. Ertl and J. Roth Study of brittle destruction and ero-	290–293 (2001) 389
Martynenko, V.B. Petrov, V.N. Strunnikov, V.G. Stolyarova, V.V. Zatekin and A.M. Litnovsky Operational limits under different wall conditions on TEXTOR-94, J.	290–293 (2001) 1069	sion mechanisms of carbon-based materials during plasma in- stabilities, T. Burtseva, A. Hassa- nein, I. Ovchinnikov and V. Titov	290–293 (2001) 1059
Rapp, W. Biel, H. Gerhauser, A.		Diffusion	
Huber, H.R. Koslowski, M. Lehnen, V. Philipps, A. Pospieszczyk,		Influence of oxygen on the carbide formation on tungsten, J. Luthin	
D. Reiser, U. Samm, G. Sergienko, M.Z. Tokar and R. Zagórski	290–293 (2001) 1148	and Ch. Linsmeier Influence of diffusion on W sputtering	290–293 (2001) 121
Wall conditioning by microwave generated plasmas in a toroidal mag-		by carbon, K. Schmid, J. Roth and W. Eckstein	290–293 (2001) 148
netic field, J. Ihde, H.B. Störk, J. Winter, M. Rubel, H.G. Esser and		Deuterium retention of V–4Cr–4Ti alloy exposed to the JFT-2M to-	
H. Toyoda	290–293 (2001) 1180	kamak environment, Y. Hirohata, T. Oda, T. Hino and S. Sengoku	290–293 (2001) 196
Composite Materials  Mixed-material coating formation on tungsten surfaces during plasma exposure in TEXTOR-94, D. Hil-		Silicon diffusion in amorphous carbon films, E. Vainonen-Ahlgren, T. Ahlgren, L. Khriachtchev, J. Li- konen, S. Lehto, J. Keinonen and	
debrandt, P. Wienhold and W.	200 202 (2001) 80	C.H. Wu  Panid diffusion of lithium into hulk	290–293 (2001) 216
Schneider Influence of oxygen on the carbide formation on tungsten, J. Luthin	290–293 (2001) 89	Rapid diffusion of lithium into bulk graphite in lithium conditioning, N. Itou, H. Toyoda, K. Morita and	
and Ch. Linsmeier Simulation study on retention and reflection from tungsten carbide under high fluence of helium ions, T. Ono, T. Kawamura, T. Kenmotsu and Y. Yamamura	290–293 (2001) 121	H. Sugai Heat flux decay length in the midplane of ASDEX Upgrade, A. Herrmann, A. Carlson, J.C. Fuchs, O. Gruber, M. Laux, J. Neuhauser, R. Pugno, A. Sins, W. Troutterer, W. Schnei	290–293 (2001) 281
Reactivity of lithium-containing amorphous carbon (a-C) films, M. Töwe, P. Reinke and P. Oelhafen	290–293 (2001) 140 290–293 (2001) 153	A. Sips, W. Treutterer, W. Schneider and ASDEX Upgrade Team Gas puff fueled H-mode discharges with good energy confinement	290–293 (2001) 619

above the Greenwald density limit on DIII-D, T.H. Osborne, M.A. Mahdavi, M. Chu, M.E. Fen- stermacher, R. La Haye, A.W. Leonard, G. McKee, T.W. Petrie, C. Rettig, M. Wade, J. Watkins and DIII-D Team	290–293 (2001) 1	013	V.A. Evtikhin, I.E. Lyublinsky and A.V. Vertkov  Erosion/deposition issues at JET, J.P. Coad, N. Bekris, J.D. Elder, S.K. Erents, D.E. Hole, K.D. Lawson, G.F. Matthews, RD. Penzhorn and P.C. Stangeby  Towards an improved understanding	290–293 (2001) 290–293 (2001)	
Divertor Materials			of the relationship between plasma		
Review of initial experimental results of			edge and materials issues in a next-		
the PSI studies in the large helical device, S. Masuzaki, K. Akaishi, H. Funaba, M. Goto, K. Ida, S. In- agaki, N. Inoue, K. Kawahata, A. Komori, Y. Kubota, T. Morisaki,			step fusion device, G.F. Counsell, J.P. Coad, G. Federici, K. Krieger, V. Philipps, C.H. Skinner and D.G. Whyte Assessment of erosion and tritium co-	290–293 (2001)	255
S. Morita, Y. Nakamura, K. Narihara, K. Nishimura, N. Noda, N. Ohyabu, B.J. Peterson, A. Sagara, R. Sakamoto, K. Sato, M. Shoji, H.			deposition in ITER-FEAT, G. Federici, J.N. Brooks, D.P. Coster, G. Janeschitz, A. Kukuskhin, A. Loarte, H.D. Pacher, J. Stober and		
Suzuki, Y. Takeiri, K. Tanaka, T.			C.H. Wu	290-293 (2001)	260
Tokuzawa, T. Watanabe, K. Tsu-			Detection of sputtered and evaporated		
zuki, T. Hino, Y. Matsumoto, S.			carbon aggregates: relative and		
Kado, O. Motojima and LHD Experimental Group	290–293 (2001)	12	absolute electron ionization frag- mentation yields, C. Mair, H.		
Mixed material formation and erosion,	290–293 (2001)	12	Deutsch, K. Becker, T.D. Märk		
Ch. Linsmeier, J. Luthin and P.			and E. Vietzke	290-293 (2001)	291
Goldstraß	290–293 (2001)	25	Carbon layers in the divertor of ASDEX		
D, He and Li sputtering of liquid eu-			Upgrade, V. Rohde, H. Maier, K.		
tectic Sn–Li, J.P. Allain, D.N. Ruzic and M.R. Hendricks	290–293 (2001)	33	Krieger, R. Neu, J. Perchermaier and ASDEX Upgrade Team	290–293 (2001)	217
Deuterium retention in W, W1%La, C-	290–293 (2001)	33	Net erosion measurements on plasma	290–293 (2001)	317
coated W and W <sub>2</sub> C, R.A. Anderl,			facing components of Tore Supra,		
R.J. Pawelko and S.T. Schuetz	290-293 (2001)	38	E. Tsitrone, P. Chappuis, Y. Corre,		
Surface tension enhancement of TRIM			E. Gauthier, A. Grosman and J.Y.	()	
sputtering yields for liquid metal targets, A. Grossman, R.P. Doer-			Pascal	290–293 (2001)	331
ner and S. Luckhardt	290–293 (2001)	80	Suppression of net erosion in the DIII- D divertor with detached plasmas,		
Deuterium retention in single crystal	230 232 (2001)		W.R. Wampler, D.G. Whyte,		
tungsten, A.A. Haasz, M. Poon,			C.P.C. Wong and W.P. West	290-293 (2001)	346
R.G. Macaulay-Newcombe and			Extinction of CD band emission in the		
J.W. Davis	290–293 (2001)	85	divertor of ASDEX Upgrade, U.		
Influence of oxygen on the carbide formation on tungsten, J. Luthin			Wenzel, M. Laux, R. Pugno and K. Schmidtmann	290–293 (2001)	352
and Ch. Linsmeier	290-293 (2001)	121	Reduction of divertor carbon sources	230-233 (2001)	332
Chemical erosion of doped graphites	` ,		in DIII-D, D.G. Whyte, W.P.		
for fusion devices, C. García-			West, R. Doerner, N.H. Brooks,		
Rosales and M. Balden	290–293 (2001)	173	R.C. Isler, G.L. Jackson, G. Por-	200, 202 (2001)	256
Measurements and modeling of D, He and Li sputtering of liquid lithium,			ter, M.R. Wade and C.P.C. Wong Hydrogen recycling study by Balmer	290–293 (2001)	330
J.P. Allain, D.N. Ruzic and M.R.			lines emissions in linear plasma		
Hendricks	290-293 (2001)	180	machine TPE, K. Shimada, T. Ta-		
Erosion/redeposition analysis of li-			nabe, R. Causey, T. Venhaus and	()	
thium-based liquid surface divertors, J.N. Brooks, T.D. Rognlien,			K. Okuno Hydrogen isotope depth profiling in	290–293 (2001)	478
D.N. Ruzic and J.P. Allain	290-293 (2001)	185	carbon samples from the erosion		
Experimental study of lithium target	230 232 (2001)	100	dominated inner vessel walls of		
under high power load, B.I. Khri-			JET, C. Stan-Sion, R. Behrisch,		
punov, V.B. Petrov, V.V. Shapkin,			J.P. Coad, U. Kreißig, F. Kubo, V.		
A.S. Pleshakov, A.S. Rupyshev, N.V. Antonov, A.M. Litnovsky,			Lazarev, S. Lindig, M. Mayer, E. Nolte, A. Peacock, L. Rohrer and		
P.V. Romanov, Yu.S. Shpansky,			J. Roth	290–293 (2001)	491
, , , , , , , , , , , , , , , , , , , ,				` '	

Modeling of carbon transport in the divertor and SOL of DIII-D during high performance plasma operation, W.P. West, G.D. Porter, T.E. Evans, P. Stangeby, N.H. Brooks, M.E. Fenstermacher, R.C. Isler,		kamak plasma disruptions, A. Hassanein, I. Konkashbaev and L. Nikandrov  Experimental study of radiation power flux on the target surface during high heat plasma irradiation, V.N.	290–293 (2001) 1079
T.D. Rognlien, M.R. Wade, D.G. Whyte and N.S. Wolf Spectral profile analysis of the Dα line in the divertor region of Tore-Supra,	290–293 (2001) 783	Litunovsky, I.B. Ovchinnikov and V.A. Titov Performance of the different tungsten grades under fusion relevant power	290–293 (2001) 1112
A. Escarguel, R. Guirlet, A. Azéro- ual, B. Pégourié, J. Gunn, T. Loarer, H. Capes, Y. Corre, C. De Michelis, L. Godbert-Mouret, M. Koubiti, M.		loads, A. Makhankov, V. Bara- bash, I. Mazul and D. Youchison Vertical target and FW erosion during off-normal events and impurity	290–293 (2001) 1117
Mattioli and R. Stamm Spectroscopic study of neon emission and retention in the Tore Supra ergodic divertor, R. Guirlet, J. Hogan, Y. Corre, C. De Miche-	290–293 (2001) 854	production and transport during ELMs typical for ITER-FEAT, H. Würz, S. Pestchanyi, B. Bazylev, I. Landman and F. Kappler	290–293 (2001) 1138
lis, A. Escarguel, W. Hess, P. Monier-Garbet and B. Schunke The effect of divertor tile material on radiation profiles in LHD, B.J. Peterson, S. Masuzaki, R. Sakamoto, K. Sato, S. Inagaki, A. Sagara, S.	290–293 (2001) 872	Electrical Properties Electric currents in the scrape-off layer in ASDEX Upgrade, A. Kallen- bach, A. Carlson, G. Pautasso, A. Peeters, U. Seidel, HP. Zehrfeld and ASDEX Upgrade Team	290–293 (2001) 639
Ohdachi, Y. Nakamura, N. Noda, Y. Xu, J.E. Rice, N. Ashikawa, S. Yamamoto, M. Takechi, K. Toi, S. Morita, M. Goto, K. Narihara, N. Inoue, Y. Takeiri, M. Sato, M. Osakabe, K. Tanaka, T. Tokuzawa, S. Sakakibara, M. Shoji, K. Kawahata, O. Kaneko, N. Ohyabu, H. Yamada, A. Komori, K. Yamazaki,		Electron Irradiation  Experimental study of lithium target under high power load, B.I. Khripunov, V.B. Petrov, V.V. Shapkin, A.S. Pleshakov, A.S. Rupyshev, N.V. Antonov, A.M. Litnovsky, P.V. Romanov, Yu.S. Shpansky, V.A. Evtikhin, I.E. Lyublinsky and	
S. Sudo and O. Motojima  Divertor geometry effects on detachment in TCV, R.A. Pitts, B.P.  Duval, A. Loarte, JM. Moret, J.A. Boedo, D. Coster, I. Furno,	290–293 (2001) 930	A.V. Vertkov  Electron Microscopy  Anisotropic radiation damage by charge exchange neutrals under tokamak	290–293 (2001) 201
J. Horacek, A.S. Kukushkin, D. Reiter, J. Rommers and TCV Team	290–293 (2001) 940	discharges in TRIAM-1M, T. Hirai, T. Fujiwara, K. Tokunaga, N. Yoshida, S. Itoh and TRIAM Group	290–293 (2001) 94
Operation of TEXTOR-94 with tung- sten poloidal main limiters, A. Pospieszczyk, T. Tanabe, V. Phi- lipps, G. Sergienko, T. Ohgo, K.		Non-destructive structural analysis of surface blistering by TEM and EELS in a reflection configuration, S. Muto, T. Matsui and T. Tanabe	290–293 (2001) 131
Kondo, M. Wada, M. Rubel, W. Biel, A. Huber, A. Kirschner, J. Rapp and N. Noda Study of brittle destruction and ero-	290–293 (2001) 947	Detailed structure analysis of deposit layer in TEXTOR by means of TEM techniques, S. Muto, N. Yokoya and T. Tanabe	290–293 (2001) 295
sion mechanisms of carbon-based materials during plasma in- stabilities, T. Burtseva, A. Hassa-		Embrittlement Deuterium retention of V–4Cr–4Ti	270 270 (2001) 270
nein, I. Ovchinnikov and V. Titov Macroscopic erosion of plasma facing and nearby components during plasma instabilities: the droplet	290–293 (2001) 1059	alloy exposed to the JFT-2M to- kamak environment, Y. Hirohata, T. Oda, T. Hino and S. Sengoku	290–293 (2001) 196
shielding phenomenon, A. Hassa- nein and I. Konkashbaev Heat and particle fluxes from colli- sionless scrape-off-layer during to-	290–293 (2001) 1074	Experimental Techniques TOF analysis of reflection of low-energy light ions from solid targets using coaxial impact collision ion	

scattering spectroscopy (CAICISS),			Helium transport and exhaust with an		
K. Morita, N. Kishi, A. Grigoriev,			ITER-like divertor in ASDEX		
S. Masuzaki and T. Muroga	290–293 (2001)	126	Upgrade, HS. Bosch, W. Ullrich,		
Hydrogen molecules in the divertor of			D. Coster, O. Gruber, G. Haas, J. Neuhauser, R. Schneider, R. Wolf		
ASDEX Upgrade, U. Fantz, D. Reiter, B. Heger and D. Coster	290–293 (2001)	367	and ASDEX Upgrade Team	290–293 (2001)	836
Vibrational population of the ground	270 273 (2001)	507	Measurement of thermal wall-load dis-	290 293 (2001)	050
state of $H_2$ and $D_2$ in the divertor			tribution caused by the locked mode		
of ASDEX Upgrade, B. Heger, U.			in a reversed-field pinch plasma, Y.		
Fantz, K. Behringer and ASDEX	200, 202 (2001)	412	Yagi, S. Sekine, H. Koguchi, T.	200 202 (2001)	1144
Upgrade Team In situ measurement of hydrogen re-	290–293 (2001)	413	Bolzonella and H. Sakakita	290–293 (2001)	1144
tention in JET carbon tiles, D.D.R.			Fast Reactors		
Summers, M.N.A. Beurskens, J.P.			Transport of and deposition from hy-		
Coad, G. Counsell, W. Funda-			drocarbon radicals in a flow tube		
menski, G.F. Matthews and M.F.	()	10.5	downstream from a CH <sub>4</sub> RF dis-		
Stamp Particle control in the sustained	290–293 (2001)	496	charge, A.E. Gorodetsky, I.I. Ar-		
spheromak physics experiment,			khipov, R.Kh. Zalavutdinov, A.P. Zakharov, Yu.N. Tolmachev, S.P.		
R.D. Wood, D.N. Hill, E.B. Hoo-			Vnukov and V.L. Bukhovets	290-293 (2001)	271
per, D. Buchenauer, H. McLean,				` ′	
Z. Wang, S. Woodruff and G.			First Wall Materials		
Wurden	290–293 (2001)	513	Plasma–surface interactions on li-	200 202 (2001)	10
Performance of high triangularity plasmas as the volume of the sec-			quids, R. Bastasz and W. Eckstein Mixed material formation and erosion,	290–293 (2001)	19
ondary divertor is varied in DIII-			Ch. Linsmeier, J. Luthin and P.		
D, M.E. Fenstermacher, T.H. Os-			Goldstraß	290-293 (2001)	25
borne, T.W. Petrie, R.J. Groebner,			D, He and Li sputtering of liquid eu-		
C.J. Lasnier, R.J. La Haye, A.W.			tectic Sn-Li, J.P. Allain, D.N.	200 202 (2001)	22
Leonard, G.D. Porter and J.G. Watkins	290–293 (2001)	588	Ruzic and M.R. Hendricks Chemical erosion of boronized films	290–293 (2001)	33
Observation of detachment in the JET	290–293 (2001)	200	from DIII-D tiles, J.W. Davis,		
MkIIGB divertor using CCD			P.B. Wright, R.G. Macaulay-		
camera tomography, K. Itami, P.			Newcombe, A.A. Haasz and C.G.		
Coad, W. Fundamenski, C. In-			Hamilton	290–293 (2001)	66
gesson, J. Lingertat, G.F. Mat- thews and A. Tabasso	290–293 (2001)	633	Formation of mixed layers and compounds on beryllium due to C <sup>+</sup> and		
Explorative studies for the develop-	290–293 (2001)	033	CO <sup>+</sup> bombardment, P. Goldstrass		
ment of fast He beam plasma di-			and Ch. Linsmeier	290-293 (2001)	71
agnostics, S. Menhart, M.			Surface reactions on beryllium after		
Proschek, HD. Falter, H. Ander-			carbon vapour deposition and		
son, H. Summers, A. Staebler, P. Franzen, H. Meister, J. Schwein-			thermal treatment, P. Goldstrass,	290–293 (2001)	76
zer, T.T.C. Jones, S. Cox, N.			K.U. Klages and Ch. Linsmeier Anisotropic radiation damage by	290–293 (2001)	70
Hawkes, F. Aumayr and H.P.			charge exchange neutrals under		
Winter	290-293 (2001)	673	tokamak discharges in TRIAM-		
Consistency check of $Z_{\text{eff}}$ measure-			1M, T. Hirai, T. Fujiwara, K. To-		
ments in ergodic divertor plasmas on Tore Supra, B. Schunke, C. De			kunaga, N. Yoshida, S. Itoh and TRIAM Group	200 202 (2001)	94
Michelis, R. Guirlet, P. Monier-			Synergistic effects by simultaneous	290–293 (2001)	94
Garbet, M. Mattioli, E. Chareyre			bombardment of tungsten with		
and O. Meyer	290-293 (2001)	715	hydrogen and carbon, K. Krieger		
Comparison of Langmuir probe and			and J. Roth	290–293 (2001)	107
Thomson scattering measurements in DIII-D, J.G. Watkins, P. Stan-			Influence of oxygen on the carbide formation on tungsten, J. Luthin		
geby, J.A. Boedo, T.N. Carlstrom,			and Ch. Linsmeier	290–293 (2001)	121
C.J. Lasnier, R.A. Moyer, D.L.			Carbon erosion mechanisms in toka-	(2001)	
Rudakov and D.G. Whyte	290–293 (2001)	778	mak divertor materials: insight		
Effects of flush-mounted probe bias on			from molecular dynamics simula-		
local turbulent fluctuations, D.L.	200 202 (2001)	788	tions, E. Salonen, K. Nordlund, J.	200 202 (2001)	1/1/1
Winslow and B. LaBombard	290–293 (2001)	100	Keinonen and C.H. Wu	290–293 (2001)	144

Chemical erosion of doped graphites for fusion devices, C. García- Rosales and M. Balden Measurements and modeling of D, He and Li sputtering of liquid lithium, J.P. Allain, D.N. Ruzic and M.R. Hendricks	290–293 (2001) 17 290–293 (2001) 18	Bergeaud, A. Cambe, M. Chantant, E. Delchambre, M. Druetta, E. Gauthier, W. Hess and C. Pocheau  The effect of divertor tile material on	290–293 (2001) 701
Plasma operation with tungsten tiles at the central column of ASDEX Upgrade, R. Neu, V. Rohde, A. Geier, K. Krieger, H. Maier, D. Bolshukhin, A. Kallenbach, R. Pugno, K. Schmidtmann, M. Zar- rabian and ASDEX Upgrade Team	290–293 (2001) 20	radiation profiles in LHD, B.J. Peterson, S. Masuzaki, R. Sakamoto, K. Sato, S. Inagaki, A. Sagara, S. Ohdachi, Y. Nakamura, N. Noda, Y. Xu, J.E. Rice, N. Ashikawa, S. Yamamoto, M. Takechi, K. Toi, S. Morita, M. Goto, K. Narihara, N. Inoue, Y. Takeiri, M. Sato, M.	
Tritium retention in neutron-irradiated low-Z materials for use as plasma facing materials, F. Scaffidi-Argentina, C. Sand and C.H. Wu	290–293 (2001) 21	Osakabe, K. Tanaka, T. Tokuzawa, S. Sakakibara, M. Shoji, K. Kawahata, O. Kaneko, N. Ohyabu, H.	
The porous vanadium as a plasma facing material for the fusion devices, A.V. Zhmendak, A. Huber, V.A. Kvitcinskiy, E.V. Mudretskaya, A.V. Nedospasov, V.V. Panechki-		S. Sudo and O. Motojima Material degradation and particle formation under transient thermal loads, J. Linke, M. Akiba, R. Duwe, A. Lodato, HJ. Penkalla,	290–293 (2001) 930
na, S.N. Pavlov, A. Pospieszczyk, G.V. Sergienko and V.F. Virko Erosion/deposition issues at JET, J.P. Coad, N. Bekris, J.D. Elder, S.K. Erents, D.E. Hole, K.D. Lawson, G.F. Matthews, RD. Penzhorn	290–293 (2001) 22	M. Rödig and K. Schöpflin  Vertical target and FW erosion during off-normal events and impurity production and transport during ELMs typical for ITER-FEAT, H. Würz, S. Pestchanyi, B. Bazylev, I.	290–293 (2001) 1102
and P.C. Stangeby  Assessment of erosion and tritium co- deposition in ITER-FEAT, G. Federici, J.N. Brooks, D.P. Coster, G. Janeschitz, A. Kukuskhin, A.	290–293 (2001) 22	Landman and F. Kappler ICRF wall conditioning experiments in the W7-AS stellarator, R. Brakel, D. Hartmann, P. Grigull and W7-AS Team	290–293 (2001) 1138 290–293 (2001) 1160
Loarte, H.D. Pacher, J. Stober and C.H. Wu Molybdenum sources and transport in Alcator C-Mod, B. Lipschultz,	290–293 (2001) 26	Characterization and conditioning of SSPX plasma facing surfaces, D.A. Buchenauer, B.E. Mills, R. Wood, S. Woodruff, D.N. Hill, E.B.	290–293 (2001) 1100
D.A. Pappas, B. LaBombard, J.E. Rice, D. Smith and S. Wukitch Interactions between liquid-wall vapor and edge plasmas, T.D. Rognlien and M.E. Rensink  Carbon layers in the divertor of	290–293 (2001) 28 290–293 (2001) 31	Conditionings for plasma facing walls of large helical device, T. Hino,	290–293 (2001) 1165
ASDEX Upgrade, V. Rohde, H. Maier, K. Krieger, R. Neu and J. Perchermaier Studies of tritiated co-deposited layers in TFTR, C.H. Skinner, C.A. Gentile, G. Ascione, A. Carpe, R.A. Causey, T. Hayashi, J. Hogan, S. Langish, M. Nishi, W.M. Shu, W.R. Wampler and K.M.	290–293 (2001) 31	Sagara, N. Noda and O. Motojima Overview of impurity control and wall conditioning in NSTX, H.W. Kugel, R. Maingi, W. Wampler, R.E. Barry, M. Bell, W. Blanchard, D. Gates, D. Johnson, R. Kaita, S. Kaye, R. Maqueda, J. Menard, M.M. Menon, D. Mueller, M. Ono, S. Paul, Y-K.M. Peng, R. Raman, A. Roquemore,	290–293 (2001) 1176
Young In situ measurement of hydrogen retention in JET carbon tiles, D.D.R. Summers, M.N.A. Beurskens, J.P. Coad, G. Counsell, W. Funda-	290–293 (2001) 48	86 C.H. Skinner, S. Sabbagh, B. Stratton, D. Stutman, J.R. Wilson and S. Zweben  Fuels and Fuel Elements	290–293 (2001) 1185
menski, G.F. Matthews and M.F. Stamp	290–293 (2001) 49	High-density H-mode operation	

fueling by inboard pellet launch,			the ITER-FEAT divertor, I.I. Ar-		
P.T. Lang, O. Gruber, L.D. Hor-			khipov, G. Federici, A.E. Gor-		
ton, T.T.C. Jones, M. Kaufmann,			odetsky, C. Ibbott, D.A. Komarov,		
A. Lorenz, M. Maraschek, V.			A.N. Makhankov, A.V. Markin,		
Mertens, J. Neuhauser, G. Saibene,			I.V. Mazul, R. Tivey, A.P. Za-		
H. Zohm, ASDEX Upgrade Team			kharov and R.Kh. Zalavutdinov	290–293 (2001)	394
and JET Team	290–293 (2001)	374	Vibrational population of the ground		
Compact toroid injection as fueling in			state of $H_2$ and $D_2$ in the divertor		
the JFT-2M tokamak, T. Ogawa,			of ASDEX Upgrade, B. Heger, U.		
H. Ogawa, Y. Miura, H. Niimi, H.			Fantz, K. Behringer and ASDEX		
Kimura, Y. Kashiwa, T. Shibata,			Upgrade Team	290–293 (2001)	413
M. Yamamoto, N. Fukumoto, M.			Modeling of wall recycling effects on		
Nagata and T. Uyama	290–293 (2001)	454	the global particle balance in		
F 4 B			magnetic fusion devices, Y. Hiro-		
Fusion Reactors			oka, S. Masuzaki, H. Suzuki, T.	200 202 (2001)	400
Plasma-wall interaction issues in			Kenmotsu and T. Kawamura	290–293 (2001)	423
ITER, G. Janeschitz and ITER	200, 202 (2001)	1	Hydrogen recycling study by Balmer lines		
JCT and HTs	290–293 (2001)	1	emissions in linear plasma machine		
Plasma–surface interactions on li-	200, 202 (2001)	10	TPE, K. Shimada, T. Tanabe, R.	200, 202 (2001)	470
quids, R. Bastasz and W. Eckstein	290–293 (2001)	19	Causey, T. Venhaus and K. Okuno	290–293 (2001)	4/8
Erosion/redeposition analysis of li-			Interpretation of SOL flows and target		
thium-based liquid surface divertors, J.N. Brooks, T.D. Rognlien,			asymmetries in JET using EDGE2D code calculations, A.V.		
D.N. Ruzic and J.P. Allain	290–293 (2001)	105	Chankin, G. Corrigan, S.K.		
Plasma operation with tungsten tiles at	290–293 (2001)	103	Erents, G.F. Matthews, J. Spence		
the central column of ASDEX			and P.C. Stangeby	290–293 (2001)	518
Upgrade, R. Neu, V. Rohde, A.			Extension of the B2 code towards the	290–293 (2001)	310
Geier, K. Krieger, H. Maier, D.			plasma core for a self-consistent		
Bolshukhin, A. Kallenbach, R.			simulation of ASDEX upgrade		
Pugno, K. Schmidtmann, M. Zar-			scenarios, H. Bürbaumer, R. Neu,		
rabian and ASDEX Upgrade			R. Schneider, D. Coster, J. Stober,		
Team	290-293 (2001)	206	F. Aumayr and H.P. Winter	290-293 (2001)	571
Erosion/deposition issues at JET, J.P.	230 232 (2001)	200	Performance of high triangularity	250 250 (2001)	0,1
Coad, N. Bekris, J.D. Elder, S.K.			plasmas as the volume of the sec-		
Erents, D.E. Hole, K.D. Lawson,			ondary divertor is varied in DIII-		
G.F. Matthews, RD. Penzhorn			D, M.E. Fenstermacher, T.H. Os-		
and P.C. Stangeby	290-293 (2001)	224	borne, T.W. Petrie, R.J. Groebner,		
Carbon layers in the divertor of ASDEX			C.J. Lasnier, R.J. La Haye, A.W.		
Upgrade, V. Rohde, H. Maier, K.			Leonard, G.D. Porter, J.G. Wat-		
Krieger, R. Neu, J. Perchermaier and			kins and DIII-D Team	290–293 (2001)	588
ASDEX Upgrade Team	290–293 (2001)	317	Analysis of SOL behaviour in JET		
Studies of tungsten erosion at the inner			MkIIGB using an advanced onion-		
and outer main chamber wall of the			skin solver (OSM2), W. Funda-		
ASDEX Upgrade tokamak, A. Ta-			menski, S.K. Erents, G.F. Mat-		
basso, H. Maier, J. Roth, K. Krieger			thews, A.V. Chankin, V. Riccardo,		
and ASDEX Upgrade Team	290–293 (2001)	326	P.C. Stangeby and J.D. Elder	290–293 (2001)	593
Erosion and deposition effects on the			Impurity transport experiments in the		
vessel wall of TEXTOR-94, J. von			edge plasma of Alcator C-Mod		
Seggern, M. Mayer, D. Reiser, M.	200, 202 (2001)	2.41	using gas injection plumes, S.		
Rubel and V. Philipps Hydrogen molecules in the divertor of	290–293 (2001)	341	Gangadhara, B. LaBombard and	200, 202 (2001)	508
ASDEX Upgrade, U. Fantz, D.			C. MacLatchy Heat flux decay length in the midplane	290–293 (2001)	390
Reiter, B. Heger and D. Coster	290–293 (2001)	367	of ASDEX Upgrade, A. Herrmann,		
Hydrogen inventories in nuclear fusion	270-273 (2001)	307	A. Carlson, J.C. Fuchs, O. Gruber,		
devices, M. Mayer, V. Philipps, P.			M. Laux, J. Neuhauser, R. Pugno,		
Wienhold, H.G. Esser, J. von Seg-			A. Sips, W. Treutterer, W. Schnei-		
gern and M. Rubel	290-293 (2001)	381	der and ASDEX Upgrade Team	290-293 (2001)	619
Laboratory study of the transport and	(2001)		Explorative studies for the develop-	(2001)	
condensation of hydrocarbon ra-			ment of fast He beam plasma diag-		
dicals and its consequences for			nostics, S. Menhart, M. Proschek,		
mitigating the tritium inventory in			HD. Falter, H. Anderson, H.		
•			ŕ		

Summers, A. Staebler, P. Franzen, H. Meister, J. Schweinzer, T.T.C. Jones, S. Cox, N. Hawkes, F. Au- mayr and H.P. Winter	290–293 (2001) 673	Schwarz-Selinger, W. Jacob and A. Stevens Transport of and deposition from hydrocarbon radicals in a flow tube	290–293 (2001) 231
Island divertor in a helical-axis heliotron device (Heliotron J), T. Mizuuchi, M. Nakasuga, F. Sano, Y. Nakamura, K. Nagasaki, H. Okada, K. Kondo and T. Obiki	290–293 (2001) 678	downstream from a CH <sub>4</sub> RF discharge, A.E. Gorodetsky, I.I. Arkhipov, R.Kh. Zalavutdinov, A.P. Zakharov, Yu.N. Tolmachev, S.P. Vnukov and V.L. Bukhovets	290–293 (2001) 271
Self-consistent description of the core and boundary plasma in the high- field ignition experiment, R. Stan- kiewicz and R. Zagórski Visible imaging of turbulence in the	290–293 (2001) 738	Laboratory study of the transport and condensation of hydrocarbon radicals and its consequences for mitigating the tritium inventory in the ITER-FEAT divertor, I.I. Ar-	
SOL of the Alcator C-Mod tokamak, J.L. Terry, R. Maqueda, C.S. Pitcher, S.J. Zweben, B. La-Bombard, E.S. Marmar, A.Yu. Pigarov and G. Wurden	290–293 (2001) 757	khipov, G. Federici, A.E. Gorodetsky, C. Ibbott, D.A. Komarov, A.N. Makhankov, A.V. Markin, I.V. Mazul, R. Tivey, A.P. Zakharov and R.Kh. Zalavutdinov	290–293 (2001) 394
Effects of flush-mounted probe bias on	270-273 (2001) 737	Kharov and K.Kh. Zalavutumov	270-273 (2001) 374
local turbulent fluctuations, D.L.		Heat Treatment	
Winslow and B. LaBombard B2–EIRENE modelling of He compression and enrichment, D.P. Coster, HS. Bosch, W. Ullrich	290–293 (2001) 788	Island divertor in a helical-axis heliotron device (Heliotron J), T. Mizuuchi, M. Nakasuga, F. Sano, Y. Nakamura, K. Nagasaki, H. Oka-	
and ASDEX Upgrade Team Critical issues in divertor optimisation for ITER-FEAT, A.S. Kukushkin, G. Janeschitz, A. Loarte, H.D.	290–293 (2001) 845	da, K. Kondo and T. Obiki  Material degradation and particle formation under transient thermal loads, J. Linke, M. Akiba, R.	290–293 (2001) 678
Pacher, D. Coster, D. Reiter and R. Schneider Helium exhaust in divertor–closure configuration with W-shaped di- vertor of JT-60U, A. Sakasai, H.	290–293 (2001) 887	Duwe, A. Lodato, HJ. Penkalla, M. Rödig and K. Schöpflin  Measurement of thermal wall-load distribution caused by the locked mode in a reversed-field pinch	290–293 (2001) 1102
Takenaga, H. Kubo, N. Akino, S. Higashijima, S. Sakurai, H. Tamai, K. Itami and N. Asakura	290–293 (2001) 957	plasma, Y. Yagi, S. Sekine, H. Koguchi, T. Bolzonella and H. Sakakita	290–293 (2001) 1144
Gases (excludes Hydrogen, Helium and	Tritium) in Materials	Helium	
Membrane bias effects on plasma-driven permeation of hydrogen through niobium membrane, A. Busnyuk, Y. Nakamura, Y. Nakahara, H. Suzuki, N. Ohyabu and		Effect of helium irradiation on trapping and thermal release of deuterium implanted in tungsten, S. Nagata and K. Takahiro Explorative studies for the develop-	290–293 (2001) 135
A. Livshits Carbon layers in the divertor of ASDEX Upgrade, V. Rohde, H. Maier, K. Krieger, R. Neu, J. Perchermaier and	290–293 (2001) 57	ment of fast He beam plasma diagnostics, S. Menhart, M. Proschek, HD. Falter, H. Anderson, H. Summers, A. Staebler, P. Eroppen, H. Moister, L. Schwein.	
ASDEX Upgrade Team The effect of baffling on divertor leakage in Alcator C-Mod, C.S. Pitcher, C.J. Boswell, T. Chung, J.A. Goetz, B. LaBombard, B.	290–293 (2001) 317	Franzen, H. Meister, J. Schweinzer, T.T.C. Jones, S. Cox, N. Hawkes, F. Aumayr and H.P. Winter  Study of edge plasma properties com-	290–293 (2001) 673
Lipschultz, J.E. Rice, D.P. Stotler and J.L. Terry  Growth	290–293 (2001) 812	paring operation in hydrogen and helium in RFX, M. Spolaore, V. Antoni, M. Bagatin, D. Desideri, L. Fattorini, E. Martines, G. Ser-	
Surface reactions of hydrocarbon ra- dicals: suppression of the re-de- position in fusion experiments via a		ianni, L. Tramontin and N. Via- nello Helium transport and exhaust with an	290–293 (2001) 729
divertor liner, A. von Keudell, T.		ITER-like divertor in ASDEX	

Upgrade, HS. Bosch, W. Ullrich,		Effect of helium irradiation on trap-	
D. Coster, O. Gruber, G. Haas, J.		ping and thermal release of deu-	
Neuhauser, R. Schneider, R. Wolf		terium implanted in tungsten, S.	
and ASDEX Upgrade Team	290–293 (2001) 836	Nagata and K. Takahiro	290–293 (2001) 135
B2-EIRENE modelling of He com-		Deuterium retention of V-4Cr-4Ti	
pression and enrichment, D.P.		alloy exposed to the JFT-2M to-	
Coster, HS. Bosch, W. Ullrich	200 202 (2001) 045	kamak environment, Y. Hirohata,	200 202 (2001) 106
and ASDEX Upgrade Team	290–293 (2001) 845	T. Oda, T. Hino and S. Sengoku	290–293 (2001) 196
Noble gas enrichment studies at JET,		Erosion/deposition issues at JET, J.P.	
M. Groth, P. Andrew, W. Funda-		Coad, N. Bekris, J.D. Elder, S.K. Erents, D.E. Hole, K.D. Lawson,	
menski, H.Y. Guo, D.L. Hillis, J.T. Hogan, L.D. Horton, G.F. Mat-		G.F. Matthews, RD. Penzhorn	
thews, A.G. Meigs, P.M. Morgan,		and P.C. Stangeby	290–293 (2001) 224
M.F. Stamp and M. von Heller-		Carbon layers in the divertor of ASDEX	290-293 (2001) 224
mann	290–293 (2001) 867	Upgrade, V. Rohde, H. Maier, K.	
Helium compression analysis for AS-	290-293 (2001) 807	Krieger, R. Neu, J. Perchermaier and	
DEX Upgrade with fluid and ki-		ASDEX Upgrade Team	290–293 (2001) 317
netic codes, D. Reiser, R.		Erosion and deposition effects on the	270-273 (2001) 317
Schneider, D. Coster, W. Ullrich		vessel wall of TEXTOR-94, J. von	
and H.S. Bosch	290–293 (2001) 953	Seggern, M. Mayer, D. Reiser, M.	
Helium exhaust in divertor-closure	270 273 (2001) 733	Rubel and V. Philipps	290–293 (2001) 341
configuration with W-shaped di-		Hydrogen molecules in the divertor of	2,0 2,5 (2001) 5.11
vertor of JT-60U, A. Sakasai, H.		ASDEX Upgrade, U. Fantz, D.	
Takenaga, H. Kubo, N. Akino, S.		Reiter, B. Heger and D. Coster	290-293 (2001) 367
Higashijima, S. Sakurai, H. Tamai,		High-density H-mode operation achieved	
K. Itami and N. Asakura	290-293 (2001) 957	using efficient plasma refueling by	
Resonance radiation and high excitation	` ,	inboard pellet launch, P.T. Lang, O.	
of neutrals in plasma-gas interac-		Gruber, L.D. Horton, T.T.C. Jones,	
tions, A.M. Litnovsky, B.I. Khripu-		M. Kaufmann, A. Lorenz, M. Mar-	
nov, G.V. Sholin, V.B. Petrov, V.V.		aschek, V. Mertens, J. Neuhauser, G.	
Shapkin and N.V. Antonov	290–293 (2001) 1107	Saibene, H. Zohm, ASDEX Upgrade	
		Team and JET Team	290–293 (2001) 374
History (of Nuclear Materials, Nuclear	Technology)	Deuterium retention and lattice da-	
Erosion and deposition effects on the		mage in tungsten irradiated with D	
vessel wall of TEXTOR-94, J. von		ions, V.Kh. Alimov, K. Ertl and J.	200 202 (2001) 200
Seggern, M. Mayer, D. Reiser, M.	200 202 (2001) 241	Roth	290–293 (2001) 389
Rubel and V. Philipps	290–293 (2001) 341	Particle trapping in carbon walls during ICRH heating in Tore Supra, C.	
Hydrogen and Hydrides (includes Deute	rium and Douterides	Grisolia, J. Hogan, Ph. Ghendrih,	
Deuterium retention in W, W1%La, C-	rium ana Deuteriaes)	T. Loarer, J. Gunn, P. Monier-	
coated W and $W_2C$ , R.A. Anderl,		Garbet, M. Becoulet and Th. Hutter	290–293 (2001) 402
R.J. Pawelko and S.T. Schuetz	290–293 (2001) 38	Vibrational population of the ground	250 253 (2001) 102
Solid-state reaction between tungsten	_,, _,, (_,,,)	state of $H_2$ and $D_2$ in the divertor	
and hydrogen-containing carbon		of ASDEX Upgrade, B. Heger, U.	
film at elevated temperature, K.		Fantz, K. Behringer and ASDEX	
Ashida, K. Fujino, T. Okabe,		Upgrade Team	290-293 (2001) 413
M. Matsuyama and K. Wata-		Comparison of hydrogen and tritium	
nabe	290–293 (2001) 42	uptake and retention in JET, D.L.	
Chemical erosion of boronized films from		Hillis, J. Hogan, J.P. Coad, G.	
DIII-D tiles, J.W. Davis, P.B. Wright,		Duxbury, M. Groth, H.Y. Guo, L.	
R.G. Macaulay-Newcombe, A.A.		Horton, G. Matthews, A. Meigs, P.	
Haasz and C.G. Hamilton	290–293 (2001) 66	Morgan, M. Stamp and M. von	
Deuterium retention in single crystal		Hellermann	290–293 (2001) 418
tungsten, A.A. Haasz, M. Poon,		Isotope effects in thermal release of H	
R.G. Macaulay-Newcombe and J.W. Davis	290–293 (2001) 85	and D implanted into WC layers on graphite, T. Horikawa, K.	
Trapping of eV deuterium ions by	290–293 (2001) 85	Morita and B. Tsuchiya	290–293 (2001) 428
niobium at glancing incidence,		Role of grain boundaries and carbon	270-273 (2001) 420
V.A. Kurnaev, A.V. Golubeva,		or gram ocanomics and carbon	
		deposition in deuterium retention	
		deposition in deuterium retention behavior of deuterium plasma ex-	
A.A. Evanov, D.V. Levchuk, A.A. Pisarev and N.N. Trifonov	290–293 (2001) 112	deposition in deuterium retention behavior of deuterium plasma ex- posed tungsten, D.A. Komarov,	

A.V. Markin, S.Yu. Rybakov and A.P. Zakharov	290–293 (2001)	433	N. Yoshida, T. Hirai, K. Tokunaga, S. Itoh and TRIAM Group	290–293 (2001) 1	030
Fuel accumulation in co-deposited layers on plasma facing components, M. Rubel, P. Wienhold and D. Hildebrandt  Hydrogen recycling study by Balmer lines emissions in linear plasma machine TPE, K. Shimada, T. Ta-	290–293 (2001)	473	Impact Unified analytic representation of physical sputtering yield, R.K. Janev, Yu.V. Ralchenko, T. Kenmotsu and K. Hosaka	290–293 (2001)	104
nabe, R. Causey, T. Venhaus and K. Okuno Hydrogen isotope depth profiling in carbon samples from the erosion dominated inner vessel walls of JET, C. Stan-Sion, R. Behrisch, J.P. Coad, U.	290–293 (2001)	478	Impurities  Membrane bias effects on plasma-driven permeation of hydrogen through niobium membrane, A. Busnyuk, Y. Nakamura, Y. Nakahara, H. Suzuki, N. Ohyabu and		
Kreißig, F. Kubo, V. Lazarev, S. Lindig, M. Mayer, E. Nolte, A. Peacock, L. Rohrer and J. Roth Influence of hydrogen surface coverage on atomic particle reflection, I.	290–293 (2001)	491	A. Livshits Simulation study on retention and reflection from tungsten carbide under high fluence of helium ions, T. Ono, T. Kawamura, T. Kenmotsu	290–293 (2001)	57
Takagi, Y. Koga, H. Fujita and K. Higashi  Heat load on the first wall materials and interaction of emitted neutrals	290–293 (2001)	501	and Y. Yamamura  Deuterium retention of V-4Cr-4Ti alloy exposed to the JFT-2M to- kamak environment, Y. Hirohata,	290–293 (2001)	140
with plasma, K. Kobayashi, S. Kado, B. Xiao and S. Tanaka Investigation of the hydrogen fluxes in the plasma edge of W7-AS during	290–293 (2001)	648	T. Oda, T. Hino and S. Sengoku Silicon diffusion in amorphous carbon films, E. Vainonen-Ahlgren, T. Ahlgren, L. Khriachtchev, J. Li-	290–293 (2001)	196
H-mode discharges, U. Langer, E. Taglauer, R. Fischer and W7-AS Team  Numerical simulation of hydrogen molecular dissociation and the ef-	290–293 (2001)	658	konen, S. Lehto, J. Keinonen and C.H. Wu Modelling of erosion and deposition at limiter surfaces and divertor target plates, A. Kirschner, A. Huber, V.	290–293 (2001)	216
fects to Hα profiles in low temperature plasmas, B. Xiao, S. Kado, K. Kobayashi and S. Tanaka	290–293 (2001)	793	Philipps, A. Pospieszczyk, P. Wienhold and J. Winter Comparison of impurity production, recycling and power deposition on	290–293 (2001)	238
Spectral profile analysis of the Dα line in the divertor region of Tore- Supra, A. Escarguel, R. Guirlet, A. Azéroual, B. Pégourié, J. Gunn, T. Loarer, H. Capes, Y. Corre, C. De Michelis, L. Godbert-Mouret, M.			carbon and tungsten limiters in TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J. von Seggern, G. Sergienko, T.		
Koubiti, M. Mattioli and R. Stamm  Tore Supra divertor screening efficiency during density regime ex-	290–293 (2001)	854	Tanabe and M. Wada Rapid diffusion of lithium into bulk graphite in lithium conditioning, N. Itou, H. Toyoda, K. Morita and	290–293 (2001)	276
periments, C. Grisolia, Ph. Ghendrih, J. Gunn, T. Loarer, P. Monier-Garbet, C. De Michelis, L.	200, 202 (2001)	962	H. Sugai Molybdenum sources and transport in Alcator C-Mod, B. Lipschultz,	290–293 (2001)	281
Costanzo and J.Y. Pascal Island divertor investigations on the W7- AS stellarator, R.W.T. König, K. McCormick, Y. Feng, S. Fiedler, P. Grigull, D. Hildebrandt, J. Kisslinger,	290–293 (2001)	003	<ul> <li>D.A. Pappas, B. LaBombard, J.E.</li> <li>Rice, D. Smith and S. Wukitch</li> <li>Effects of condensible impurities on the erosion behavior of the plasma- facing materials, N. Ohno, S. Uno,</li> </ul>	290–293 (2001)	286
J.P. Knauer, G. Kühner, D. Naujoks, J. Sallander, S. Sardei, F. Wagner, A. Werner and W7-AS Team	290–293 (2001)	882	Y. Hirooka and S. Takamura Interactions between liquid-wall vapor and edge plasmas, T.D. Rognlien	290–293 (2001)	
Plasma-surface interaction effects during high ion temperature long pulse experiments in TRIAM-1M,			and M.E. Rensink Studies of tungsten erosion at the inner and outer main chamber wall of the	290–293 (2001)	312

ASDEX Upgrade tokamak, A. Ta-Isler, A.G. Kellman, A.W. Leobasso, H. Maier, J. Roth, K. Krieger nard, R. Maingi, R.A. Moyer, and ASDEX Upgrade Team 290-293 (2001) 326 T.W. Petrie, G.D. Porter, M.J. Particle control in the sustained spher-Schaffer, S. Skinner, R.D. Stamomak physics experiment, R.D. baugh, P.C. Stangeby, W.P. West, Wood, D.N. Hill, E.B. Hooper, D. D.G. Whyte and N.S. Wolf 290-293 (2001) 905 Buchenauer, H. McLean, Z. Wang, S. Alternative schemes of power deposi-Woodruff and G. Wurden 290-293 (2001) 513 tion with the ergodic divertor on Impurity transport experiments in the Tore Supra, G. Mank, Ph. Ghenedge plasma of Alcator C-Mod drih, C. Grisolia, J. Gunn, T. using gas injection plumes, S. Loarer, P. Monier-Garbet, L. Gangadhara, B. LaBombard and Costanzo, K.H. Finken, C. De 290-293 (2001) 598 Michelis and R. Reichle 290-293 (2001) 910 C. MacLatchy High radiation from intrinsic and Consistency check of Zeff measurements in ergodic divertor plasmas injected impurities in Tore Supra on Tore Supra, B. Schunke, C. De ergodic divertor plasmas, P. Monier-Garbet, C. De Michelis, Michelis, R. Guirlet, P. Monier-Garbet, M. Mattioli, E. Charevre Ph. Ghendrih, C. Grisolia, A. 290-293 (2001) 715 and O. Meyer Grosman, R. Guirlet, J. Gunn, T. Self-consistent description of the core Loarer, C.E. Bush, C. Clement, Y. and boundary plasma in the high-Corre, L. Costanzo, B. Schunke field ignition experiment, R. Stanand J.C. Vallet 290-293 (2001) 925 kiewicz and R. Zagórski 290-293 (2001) 738 The effect of divertor tile material on Low-Z impurity transport in DIII-D radiation profiles in LHD, B.J. observations and implications, Peterson, S. Masuzaki, R. Saka-M.R. Wade, W.A. Houlberg, L.R. moto, K. Sato, S. Inagaki, A. Sa-Baylor, W.P. West and D.R. Baker 290-293 (2001) 773 gara, S. Ohdachi, Y. Nakamura, N. Noda, Y. Xu, J.E. Rice, N. Modeling of carbon transport in the Ashikawa, S. Yamamoto, M. Tadivertor and SOL of DIII-D during high performance plasma operakechi, K. Toi, S. Morita, M. Goto, tion, W.P. West, G.D. Porter, T.E. K. Narihara, N. Inoue, Y. Takeiri, Evans, P. Stangeby, N.H. Brooks, M. Sato, M. Osakabe, K. Tanaka, M.E. Fenstermacher, R.C. Isler, T. Tokuzawa, S. Sakakibara, M. T.D. Rognlien, M.R. Wade, D.G. Shoji, K. Kawahata, O. Kaneko, Whyte and N.S. Wolf N. Ohyabu, H. Yamada, A. Ko-290-293 (2001) 783 Noble gas enrichment studies at JET, mori, K. Yamazaki, S. Sudo and 290-293 (2001) 930 M. Groth, P. Andrew, W. Funda-O. Motojima menski, H.Y. Guo, D.L. Hillis, J.T. Operation of TEXTOR-94 with tung-Hogan, L.D. Horton, G.F. Matsten poloidal main limiters, A. Pospieszczyk, T. Tanabe, V. Phithews, A.G. Meigs, P.M. Morgan, M.F. Stamp and M. von Hellerlipps, G. Sergienko, T. Ohgo, K. 290-293 (2001) 867 Kondo, M. Wada, M. Rubel, W. Spectroscopic study of neon emission Biel, A. Huber, A. Kirschner, J. 290-293 (2001) 947 and retention in the Tore Supra Rapp and N. Noda ergodic divertor, R. Guirlet, J. JET methane screening experiments, J.D. Strachan, K. Erents, W. Hogan, Y. Corre, C. De Michelis, A. Escarguel, W. Hess, P. Monier-Fundamenski, M. von Hellermann, Garbet and B. Schunke 290-293 (2001) 872 L. Horton, K. Lawson, G. Measurement and simulation of edge McCracken, J. Spence, M. Stamp flows induced by ergodization in and K-D. Zastrow 290-293 (2001) 972 Tore Supra, J.P. Gunn, C. Bou-Issues in the plasma wall interactions in cher, Y. Corre, P. Devynck, Ph. RFX, M. Valisa, R. Bartiromo, D. Ghendrih and J.-Y. Pascal 290-293 (2001) 877 Bettella, L. Carraro, S. Costa, P. Initial performance results of the DIII-Martin, S. Martini, R. Pasqualotto, D Divertor 2000, M.A. Mahdavi, M.E. Puiatti, P. Scarin, F. Sattin, M.R. Wade, J.G. Watkins, C.J. G. Telesca, P. Zanca and B. Zaniol 290-293 (2001) 980 Lasnier, T. Luce, S.L. Allen, A.W. Particle balance in NBI heated long Hyatt, C. Baxi, J.A. Boedo, A.S. pulse discharges on LHD, Y. Na-Bozek, N.H. Brooks, R.J. Colchin, kamura, H. Suzuki, Y. Oka, M. T.E. Evans, M.E. Fenstermacher, Osakabe, B.J. Peterson, S. Masu-M.E. Friend, R.C. O'Neill, R.C. zaki, T. Morisaki, J. Miyazawa, Y.

Takeiri, M. Sato, T. Shimozuma, T. Mutoh, N. Noda, K. Kawahata, N. Ohyabu, O. Motojima and LHD Experimental Groups Vertical target and FW erosion during off-normal events and impurity	290–293 (2001) 1040	V.A. Kurnaev, A.V. Golubeva, A.A. Evanov, D.V. Levchuk, A.A. Pisarev and N.N. Trifonov Work function change of first wall candidate metals due to ion beam irradiation, GN Luo, K. Yama-	290–293 (2001) 112
production and transport during ELMs typical for ITER-FEAT, H. Würz, S. Pestchanyi, B. Bazylev, I. Landman and F. Kappler	290–293 (2001) 1138	guchi, T. Terai and M. Yamawaki Non-destructive structural analysis of surface blistering by TEM and EELS in a reflection configuration,	290–293 (2001) 116
Operational limits under different wall conditions on TEXTOR-94, J. Rapp, W. Biel, H. Gerhauser, A. Huber, H.R. Koslowski, M. Leh-		S. Muto, T. Matsui and T. Tanabe Effect of helium irradiation on trap- ping and thermal release of deu- terium implanted in tungsten, S.	290–293 (2001) 131
nen, V. Philipps, A. Pospieszczyk, D. Reiser, U. Samm, G. Sergienko, M.Z. Tokar and R. Zagórski Characterization and conditioning of SSPX plasma facing surfaces, D.A.	290–293 (2001) 1148	Nagata and K. Takahiro Carbon erosion mechanisms in tokamak divertor materials: insight from molecular dynamics simulations, E. Salonen, K. Nordlund, J.	290–293 (2001) 135
Buchenauer, B.E. Mills, R. Wood, S. Woodruff, D.N. Hill, E.B. Hooper, D.F. Cowgill, M.W. Clift		Keinonen and C.H. Wu Influence of diffusion on W sputtering by carbon, K. Schmid, J. Roth and	290–293 (2001) 144
and N.Y. Yang  Conditionings for plasma facing walls of large helical device, T. Hino, T. Ohuchi, M. Hashiba, Y.	290–293 (2001) 1165	W. Eckstein Energy distributions of CD <sub>4</sub> and CD <sub>3</sub> chemically released from graphite by D <sup>+</sup> and D <sup>0</sup> /Ne <sup>+</sup> impact, E.	290–293 (2001) 148
Yamauchi, Y. Hirohata, N. Inoue, A. Sagara, N. Noda and O. Mo- tojima	290–293 (2001) 1176	Vietzke Chemical erosion of doped graphites for fusion devices, C. García-Ro-	290–293 (2001) 158
Interfaces Mixed material formation and erosion,		sales and M. Balden  Deuterium retention and lattice damage in tungsten irradiated with D ions,	290–293 (2001) 173
Ch. Linsmeier, J. Luthin and P. Goldstraß  Numerical study of plasma—wall transition in an oblique magnetic field,	290–293 (2001) 25	V.Kh. Alimov, K. Ertl and J. Roth Hydrogen recycling study by Balmer lines emissions in linear plasma machine TPE, K. Shimada, T.	290–293 (2001) 389
F. Valsaque and G. Manfredi	290–293 (2001) 763	Tanabe, R. Causey, T. Venhaus and K. Okuno	290–293 (2001) 478
Ion Irradiation			T 1: .: TT: .
Deuterium retention in W, W1%La, C- coated W and W <sub>2</sub> C, R.A. Anderl, R.J. Pawelko and S.T. Schuetz	290–293 (2001) 38	Irradiation (not listed elsewhere, includes Schedule)  Hydrogen recycling study by Balmer	Irradiation History or
Mechanism of the chemical erosion of SiC under hydrogen irradiation,	, ,	lines emissions in linear plasma machine TPE, K. Shimada, T. Ta-	
M. Balden, S. Picarle and J. Roth Chemical erosion of carbon doped with different fine-grain carbides,	290–293 (2001) 47	nabe, R. Causey, T. Venhaus and K. Okuno	290–293 (2001) 478
M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J. Etxeberria	290–293 (2001) 52	Kinetics  Isotope effects in thermal release of H and D implanted into WC layers	
Methane formation in graphite and boron-doped graphite under simultaneous O <sup>+</sup> and H <sup>+</sup> irradiation, A.Y.K. Chen, J.W. Davis and A.A.		on graphite, T. Horikawa, K. Morita and B. Tsuchiya Kinetic simulation of a source dominated plasma-wall interaction in	290–293 (2001) 428
Haasz Formation of mixed layers and compounds on beryllium due to C <sup>+</sup> and CO <sup>+</sup> bombardment, P. Goldstrass	290–293 (2001) 61	an oblique magnetic field, D. Sharma and H. Ramachandran Numerical study of plasma–wall transition in an oblique magnetic field,	290–293 (2001) 725
and Ch. Linsmeier  Trapping of eV deuterium ions by niobium at glancing incidence,	290–293 (2001) 71	F. Valsaque and G. Manfredi Spectral profile analysis of the $D\alpha$ line in the divertor region of Tore-	290–293 (2001) 763

Supra, A. Escarguel, R. Guirlet, A. Azéroual, B. Pégourié, J. Gunn, T. Loarer, H. Capes, Y. Corre, C. De Michelis, L. Godbert-Mouret, M. Koubiti, M. Mattioli and R. Stamm	290–293 (2001) 854	<ul> <li>K. Kondo, K. Ohya, V. Philipps,</li> <li>G. Bertschinger, J. Rapp, B.</li> <li>Schweer and N. Noda</li> <li>Operation of TEXTOR-94 with tungsten poloidal main limiters, A.</li> <li>Pospieszczyk, T. Tanabe, V. Phi-</li> </ul>	290–293 (2001) 768
Macroscopic erosion of plasma facing and nearby components during plasma instabilities: the droplet shielding phenomenon, A. Hassanein and I. Konkashbaev  Heat and particle fluxes from collisionless scrape-off-layer during to-kamak plasma disruptions, A.	290–293 (2001) 1074	lipps, G. Sergienko, T. Ohgo, K. Kondo, M. Wada, M. Rubel, W. Biel, A. Huber, A. Kirschner, J. Rapp and N. Noda Self-shadowing, gaps and leading edges on Tore Supra's inner first wall, R. Mitteau, Ph. Chappuis, Ph. Ghendrih, A. Grosman, D. Guilhem, J.	290–293 (2001) 947
Hassanein, I. Konkashbaev and L. Nikandrov	290–293 (2001) 1079	Gunn, J. Hogan, M. Lipa, G. Martin, J. Schlosser and E. Tsitrone Macroscopic erosion of plasma facing	290–293 (2001) 1036
Limiter Materials Surface tension enhancement of TRIM sputtering yields for liquid metal targets, A. Grossman, R.P. Doer-		and nearby components during plasma instabilities: the droplet shielding phenomenon, A. Hassa- nein and I. Konkashbaev	290–293 (2001) 1074
ner and S. Luckhardt Dust characterization and analysis in	290–293 (2001) 80	Liquid Metals	
Tore-Supra, Ph. Chappuis, E. Tsitrone, M. Mayne, X. Armand, H. Linke, H. Bolt, D. Petti and J.P. Sharpe	290–293 (2001) 245	D, He and Li sputtering of liquid eutectic Sn-Li, J.P. Allain, D.N. Ruzic and M.R. Hendricks Surface tension enhancement of TRIM	290–293 (2001) 33
Erosion and outgassing behavior of TiN-coated plasma facing compo- nents of the Uragan-3M torsatron, G.P. Glazunov, E.D. Volkov, V.P. Veremeyenko, N.A. Kosik, A.A.		sputtering yields for liquid metal targets, A. Grossman, R.P. Doer- ner and S. Luckhardt Measurements and modeling of D, He and Li sputtering of liquid lithium,	290–293 (2001) 80
Kutsyn, J. Langner, E. Langner, Yu.K. Mironov, N.I. Nazarov, J. Piekoszewski, M. Sadowski, J. Stanislawski and V.I. Tereshin	290–293 (2001) 266	J.P. Allain, D.N. Ruzic and M.R. Hendricks Erosion/redeposition analysis of li- thium-based liquid surface diver-	290–293 (2001) 180
Comparison of impurity production, recycling and power deposition on carbon and tungsten limiters in	250 250 (2001) 200	tors, J.N. Brooks, T.D. Rognlien, D.N. Ruzic and J.P. Allain Interactions between liquid-wall vapor	290–293 (2001) 185
TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J. von Seggern, G. Sergienko, T. Ta-		and edge plasmas, T.D. Rognlien and M.E. Rensink  Macroscopic erosion of plasma facing and nearby components during plasma instabilities: the droplet	290–293 (2001) 312
nabe and M. Wada  Detection of sputtered and evaporated carbon aggregates: relative and	290–293 (2001) 276	shielding phenomenon, A. Hassanein and I. Konkashbaev	290–293 (2001) 1074
absolute electron ionization frag-		Mathematical and Computational Method	ds
mentation yields, C. Mair, H. Deutsch, K. Becker, T.D. Märk		Influence of diffusion on W sputtering by carbon, K. Schmid, J. Roth and	
and E. Vietzke	290–293 (2001) 291	W. Eckstein	290–293 (2001) 148
Detailed structure analysis of deposit layer in TEXTOR by means of TEM techniques, S. Muto, N.		W7-X edge modelling with the 3D SOL fluid code BoRiS, M. Borchardt, J. Riemann, R. Schneider and	
Yokoya and T. Tanabe Local emission and core concentration of tungsten in TEXTOR-94 plas- mas operated with tungsten test and poloidal limiters, M. Wada, T. Ohgo, A. Pospieszczyk, A. Huber,	290–293 (2001) 295	X. Bonnin  Analysis of SOL behaviour in JET  MkIIGB using an advanced onion- skin solver (OSM2), W. Funda- menski, S.K. Erents, G.F. Mat- thews, A.V. Chankin, V. Riccardo,	290–293 (2001) 546
G. Sergienko, T. Tanabe, W. Biel,		P.C. Stangeby and J.D. Elder	290–293 (2001) 593

Observation of detachment in the JET		Buchenauer, B.E. Mills, R. Wood,	
MkIIGB divertor using CCD		S. Woodruff, D.N. Hill, E.B.	
camera tomography, K. Itami, P.		Hooper, D.F. Cowgill, M.W. Clift	
Coad, W. Fundamenski, C. Ingess-		and N.Y. Yang	290–293 (2001) 1165
on, J. Lingertat, G.F. Matthews			
and A. Tabasso	290–293 (2001) 633	Molybdenum, Molybdenum Alloys and C	Compounds
ASDEX-Upgrade edge transport scal-		Some problems arising due to plasma-	
ings from the two-dimensional in-		surface interaction for operation of	
terpretative code B2.5-I, JW.		the in-vessel mirrors in a fusion re-	
Kim, D.P. Coster, J. Neuhauser		actor, V.S. Voitsenya, A.F. Barda-	
and R. Schneider	290–293 (2001) 644	mid, V.N. Bondarenko, W. Jacob,	
Simulation of power and particle flows		V.G. Konovalov, S. Masuzaki, O.	
in the NSTX edge plasma, M.E.		Motojima, D.V. Orlinskij, V.L. Po-	
Rensink, H. Kugel, R. Maingi, F.		perenko, I.V. Ryzhkov, A. Sagara,	
Paoletti, G.D. Porter, T.D. Rogn-		A.F. Shtan, S.I. Solodovchenko and	
lien, S. Sabbagh and X. Xu	290–293 (2001) 706	M.V. Vinnichenko	290–293 (2001) 336
Numerical study of plasma-wall tran-			
sition in an oblique magnetic field,		Monitoring Methods	
F. Valsaque and G. Manfredi	290–293 (2001) 763	TOF analysis of reflection of low-	
Multi-machine modelling of divertor		energy light ions from solid targets	
geometry effects, A. Loarte	290–293 (2001) 805	using coaxial impact collision ion	
Electric fields and currents in an island		scattering spectroscopy (CAI-	
divertor configuration, X. Bonnin,		CISS), K. Morita, N. Kishi, A.	
R. Schneider, D. Coster, V. Roz-		Grigoriev, S. Masuzaki and T.	
hansky and S. Voskoboynikov	290–293 (2001) 829	Muroga	290–293 (2001) 126
B2-EIRENE modelling of He com-		Towards an improved understanding	
pression and enrichment, D.P.		of the relationship between plasma	
Coster, HS. Bosch, W. Ullrich		edge and materials issues in a next-	
and ASDEX Upgrade Team	290–293 (2001) 845	step fusion device, G.F. Counsell,	
Helium compression analysis for ASDEX		J.P. Coad, G. Federici, K. Krieger,	
Upgrade with fluid and kinetic codes,		V. Philipps, C.H. Skinner and	
D. Reiser, R. Schneider, D. Coster,		D.G. Whyte	290–293 (2001) 255
W. Ullrich and H.S. Bosch	290–293 (2001) 953	Energy flux measurements in a steady-	
Macroscopic erosion of plasma facing		state discharge at PSI-2, B. Koch,	
and nearby components during		W. Bohmeyer, G. Fussmann, P.	
plasma instabilities: the droplet		Kornejew and HD. Reiner	290–293 (2001) 653
shielding phenomenon, A. Hassa-	200 202 (2001) 1074	Investigation of the hydrogen fluxes in	
nein and I. Konkashbaev	290–293 (2001) 1074	the plasma edge of W7-AS during	
Heat and particle fluxes from collisionless		H-mode discharges, U. Langer, E.	200 202 (2001) (50
scrape-off-layer during tokamak		Taglauer and R. Fischer	290–293 (2001) 658
plasma disruptions, A. Hassanein, I. Konkashbaev and L. Nikandrov	200 202 (2001) 1070	Non-axisymmetric perturbation of the	
Konkasnbaev and L. Nikandrov	290–293 (2001) 1079	plasma surface in RFX: analysis of	
Microstructure and Texture (excludes by	. Imadiation	magnetic data versus CCD images of	
Detailed structure analysis of deposit	(Irradiation)	plasma–wall interaction, P. Zanca, D. Bettella, S. Martini and M. Valisa	290–293 (2001) 990
layer in TEXTOR by means of		Measurement of thermal wall-load	290–293 (2001) 990
TEM techniques, S. Muto, N.		distribution caused by the locked	
Yokoya and T. Tanabe	290–293 (2001) 295	mode in a reversed-field pinch	
Tokoya and T. Tanabe	270-273 (2001) 273	plasma, Y. Yagi, S. Sekine, H.	
Microstructure and Texture (excludes by	· Irradiation)	Koguchi, T. Bolzonella and H.	
Thermography of target plates with	Tradiation)	Sakakita	290-293 (2001) 1144
near-infrared optical fibres at Tore		Bukukitu	270 273 (2001) 1144
Supra, R. Reichle, V. Basiuk, V.		Neutron Irradiation	
Bergeaud, A. Cambe, M. Chan-		Tritium retention in neutron-irradiated	
tant, E. Delchambre, M. Druetta,		low-Z materials for use as plasma	
E. Gauthier, W. Hess and C.		facing materials, F. Scaffidi-Argenti-	
Pocheau	290-293 (2001) 701	na, C. Sand and C.H. Wu	290-293 (2001) 211
	( · · ) · · ·	,	` /
Microstructure and Texture (excludes by	Irradiation)	Nickel, Nickel Alloys and Compounds	
Characterization and conditioning of	•	Work function change of first wall	
SSPX plasma facing surfaces, D.A.		candidate metals due to ion beam	

irradiation, GN Luo, K. Yamaguchi, T. Terai and M. Yamawaki	290–293 (2001) 116	Cloud drifts over eroding surfaces in magnetic field configurations with three field components, P. La-	
Niobium, Niobium Alloys and Compound	ls	lousis, R. Schneider and L.L.	
Membrane bias effects on plasma-dri-		Lengyel	290-293 (2001) 1084
ven permeation of hydrogen		6,	_,, _,, (_,,,)
through niobium membrane, A.		Physical Properties (not listed elsewhere)	
Busnyuk, Y. Nakamura, Y. Na-		Detection of sputtered and evaporated	
kahara, H. Suzuki, N. Ohyabu and		carbon aggregates: relative and	
A. Livshits	290–293 (2001) 57	absolute electron ionization frag-	
Trapping of eV deuterium ions by		mentation yields, C. Mair, H.	
niobium at glancing incidence,		Deutsch, K. Becker, T.D. Märk	
V.A. Kurnaev, A.V. Golubeva,		and E. Vietzke	290-293 (2001) 291
A.A. Evanov, D.V. Levchuk, A.A.		Some problems arising due to plasma-	
Pisarev and N.N. Trifonov	290-293 (2001) 112	surface interaction for operation of	
		the in-vessel mirrors in a fusion	
Permeation		reactor, V.S. Voitsenya, A.F. Bar-	
Membrane bias effects on plasma-dri-		damid, V.N. Bondarenko, W.	
ven permeation of hydrogen		Jacob, V.G. Konovalov, S. Masu-	
through niobium membrane, A.		zaki, O. Motojima, D.V. Orlinskij,	
Busnyuk, Y. Nakamura, Y. Na-		V.L. Poperenko, I.V. Ryzhkov, A.	
kahara, H. Suzuki, N. Ohyabu and		Sagara, A.F. Shtan, S.I. Solo-	
A. Livshits	290-293 (2001) 57	dovchenko and M.V. Vinnichenko	290-293 (2001) 336
Erosion and outgassing behavior of	· /	Interpretation of SOL flows and target	,
TiN-coated plasma facing compo-		asymmetries in JET using	
nents of the Uragan-3M torsatron,		EDGE2D code calculations, A.V.	
G.P. Glazunov, E.D. Volkov, V.P.		Chankin, G. Corrigan, S.K.	
Veremeyenko, N.A. Kosik, A.A.		Erents, G.F. Matthews, J. Spence	
Kutsyn, J. Langner, E. Langner,		and P.C. Stangeby	290-293 (2001) 518
Yu.K. Mironov, N.I. Nazarov, J.		Density fluctuations at high density in	` ,
Piekoszewski, M. Sadowski, J.		the ergodic divertor configuration	
Stanislawski and V.I. Tereshin	290-293 (2001) 266	of Tore Supra, P. Devynck, J.	
Surface effects on plasma-driven tri-		Gunn, Ph. Ghendrih, X. Garbet,	
tium permeation through metals,		G. Antar, P. Beyer, C. Boucher, C.	
O.V. Ogorodnikova	290-293 (2001) 459	Honore, F. Gervais, P. Hennequin,	
		A. Quémeneur and A. Truc	290-293 (2001) 584
Phase Transformation (includes Evapora	tion, Sublimation)		
Attenuation of secondary electron		Plasma Properties (includes Plasma Disra	uption)
emission from divertor plates due		Plasma operation with tungsten tiles at	
to magnetic field inclination, Yu.		the central column of ASDEX	
Igitkhanov and G. Janeschitz	290–293 (2001) 99	Upgrade, R. Neu, V. Rohde, A.	
Experimental study of lithium target		Geier, K. Krieger, H. Maier, D.	
under high power load, B.I. Khri-		Bolshukhin, A. Kallenbach, R.	
punov, V.B. Petrov, V.V. Shapkin,		Pugno, K. Schmidtmann, M. Zar-	
A.S. Pleshakov, A.S. Rupyshev,		rabian and ASDEX Upgrade	
N.V. Antonov, A.M. Litnovsky,		Team	290–293 (2001) 206
P.V. Romanov, Yu.S. Shpansky,		Towards an improved understanding	
V.A. Evtikhin, I.E. Lyublinsky and		of the relationship between plasma	
A.V. Vertkov	290–293 (2001) 201	edge and materials issues in a next-	
Material erosion and erosion products		step fusion device, G.F. Counsell,	
under plasma heat loads typical for		J.P. Coad, G. Federici, K. Krieger,	
ITER hard disruptions, V. Sa-		V. Philipps, C.H. Skinner and	200 202 (2001) 255
fronov, N. Arkhipov, V. Bakhtin,		D.G. Whyte	290–293 (2001) 255
S. Kurkin, F. Scaffidi-Argentina,		Interactions between liquid-wall vapor	
D. Toporkov, S. Vasenin, H. Würz	200 202 (2001) 1052	and edge plasmas, T.D. Rognlien	200 202 (2001) 212
and A. Zhitlukhin	290–293 (2001) 1052	and M.E. Rensink	290–293 (2001) 312
Macroscopic erosion of plasma facing		Characteristics of ELM activity and	
and nearby components during		fueling efficiency of pellet injection	
plasma instabilities: the droplet shielding phenomenon, A. Hassa-		from different locations on DIII-D, L.R. Baylor, T.C. Jernigan, R.J.	
nein and I. Konkashbaev	290-293 (2001) 1074	Colchin, J.R. Ferron and M.R. Wade	290–293 (2001) 398
nem and i. Konkashuaev	270-273 (2001) 10/4	Colonin, J.R. Petron and W.R. Wade	270-293 (2001) 398

	Density fluctuations at high density in the ergodic divertor configuration of Tore Supra, P. Devynck, J. Gunn, Ph. Ghendrih, X. Garbet, G. Antar, P. Beyer, C. Boucher, C. Honore, F. Gervais, P. Hennequin,	
	Performance of high triangularity plasmas as the volume of the secondary divertor is varied in DIII-D, M.E. Fenstermacher, T.H. Osborne, T.W. Petrie, R.J. Groebner,	290–293 (2001) 584
290–293 (2001) 513	C.J. Lasnier, R.J. La Haye, A.W. Leonard, G.D. Porter, J.G. Watkins and DIII-D Team  Analysis of SOL behaviour in JET MkIIGB using an advanced onionskin solver (OSM2), W. Funda-	290–293 (2001) 588
290–293 (2001) 518	menski, S.K. Erents, G.F. Mat- thews, A.V. Chankin, V. Riccardo, P.C. Stangeby and J.D. Elder Turbulent transport studies in JET edge plasmas in X-point config-	290–293 (2001) 593
290–293 (2001) 525	urations, I. García-Cortés, A. Loarte, R. Balbín, J. Bleuel, A. Chankin, S.J. Davies, M. Endler, S.K. Erents, C. Hidalgo, G.F.	200 202 (2001) (04
290–293 (2001) 530	Calculation of 2D profiles for the plasma and electric field in the boundary layer of the TEXTOR-94 Tokamak, H.	290–293 (2001) 604
290–293 (2001) 542	Claaßen and M. Lehnen Impurity behavior before and during the x-point MARFE in JT-60U, S. Higashijima, H. Kubo, T. Sugie, T. Nakano, S. Konoshima, H. Tamai,	290–293 (2001) 609
290–293 (2001) 551	K. Shimizu, A. Sakasai, N. Asakura, S. Sakurai and K. Itami Observation of detachment in the JET MkIIGB divertor using CCD camera tomography, K. Itami, P.	290–293 (2001) 623
290–293 (2001) 556	gesson, J. Lingertat, G.F. Mat- thews and A. Tabasso Investigations on density and tem-	290–293 (2001) 633
290–293 (2001) 561	motions in the boundary layer of TEXTOR-94, M. Lehnen, M. Brix, H. Gerhauser, B. Schweer and R. Zagórski	290–293 (2001) 663
290–293 (2001) 575	Divertor energy distribution in JET H- modes, G.F. Matthews, S.K. Erents, W. Fundamenski, C. In- gesson, R.D. Monk and V. Ric-	
290–293 (2001) 579	cardo Studies of edge plasmas in an anchor minimum-B region of the GAM-MA 10 tandem mirror, Y. Nakashima, K.Md. Islam, A. Wada, D. Sato, S. Kobayashi, Y. Ishimoto,	290–293 (2001) 668
	290–293 (2001) 525 290–293 (2001) 530 290–293 (2001) 542 290–293 (2001) 551 290–293 (2001) 556 290–293 (2001) 561 290–293 (2001) 575	the ergodic divertor configuration of Tore Supra, P. Devynck, J. Gunn, Ph. Ghendrih, X. Garbet, G. Antar, P. Beyer, C. Boucher, C. Honore, F. Gervais, P. Hennequin, A. Quémeneur and A. Truce Performance of high triangularity plasmas as the volume of the secondary divertor is varied in DIII-D, M.E. Fenstermacher, T.H. Osborne, T.W. Petrie, R.J. Groebner, C.J. Lasnier, R.J. La Haye, A.W. Leonard, G.D. Porter, J.G. Watkins and DIII-D Team Analysis of SOL behaviour in JET MkIIGB using an advanced onion-skin solver (OSM2), W. Fundamenski, S.K. Erents, G.F. Matthews, A.V. Chankin, V. Riccardo, P.C. Stangeby and J.D. Elder Turbulent transport studies in JET edge plasmas in X-point configurations, I. Garcia-Cortés, A. Chankin, S.J. Davies, M. Endler, S.K. Erents, C. Hidalgo, G.F. Matthews and H. Thomsen Calculation of 2D profiles for the plasma and electric field in the boundary layer of the TEXTOR-94 Tokamak, H. Gerhauser, R. Zagórski, H.A. Claaßen and M. Lehnen Impurity behavior before and during the x-point MARFE in JT-60U, S. Higashijima, H. Kubo, T. Sugie, T. Nakano, S. Konoshima, H. Tamai, K. Shimizu, A. Sakasai, N. Asakura, S. Sakurai and K. Itami Observation of detachment in the JET MkIIGB divertor using CCD camera tomography, K. Itami, P. Coad, W. Fundamenski, C. Ingesson, J. Lingertat, G.F. Matthews and A. Tabasso Investigations on density and temperature asymmetries due to drift motions in the boundary layer of TEXTOR-94, M. Lehnen, M. Brix, H. Gerhauser, B. Schweer and R. Zagórski Divertor energy distribution in JET H-modes, G.F. Matthews, S.K. Erents, W. Fundamenski, C. Ingesson, R.D. Monk and V. Riccardo Studies of edge plasmas in an anchor minimum—B region of the GAM-MA 10 tandem mirror, Y. Nakashima, K.Md. Islam, A. Wada, D.

Y. Kawasaki, I. Katanuma, T. Saito, M. Yoshikawa, R. Baba, H.			Visible imaging of turbulence in the SOL of the Alcator C-Mod toka-		
Aminaka, E. Ishinuki and K. Ya- tsu Evaluation of electron temperature in	290–293 (2001)	683	mak, J.L. Terry, R. Maqueda, C.S. Pitcher, S.J. Zweben, B. La- Bombard, E.S. Marmar, A.Yu.		
detached recombining plasmas, D. Nishijima, U. Wenzel, M. Mo-			Pigarov and G. Wurden Low-Z impurity transport in DIII-D –	290–293 (2001)	757
toyama, N. Ohno, S. Takamura and S.I. Krasheninnikov Particle flows in pumped DIII-D dis-	290–293 (2001)	688	observations and implications, M.R. Wade, W.A. Houlberg, L.R. Baylor, W.P. West and D.R. Baker	290–293 (2001)	773
charges, G.D. Porter, T.D. Rogn- lien, M.E. Rensink, N.S. Wolf and W.P. West	290–293 (2001)	692	Comparison of Langmuir probe and Thomson scattering measurements in DIII-D, J.G. Watkins, P. Stan-		
Plasma rotation and structure of the radial electric field in RFX, M.E.			geby, J.A. Boedo, T.N. Carlstrom, C.J. Lasnier, R.A. Moyer, D.L.	200, 202 (2001)	770
Puiatti, L. Tramontin, V. Antoni, R. Bartiromo, L. Carraro, D. De- sideri, E. Martines, F. Sattin, P.			Rudakov and D.G. Whyte Modeling of carbon transport in the divertor and SOL of DIII-D during	290–293 (2001)	778
Scarin, G. Serianni, M. Spolaore, M. Valisa and B. Zaniol Simulation of power and particle flows	290–293 (2001)	696	high performance plasma opera- tion, W.P. West, G.D. Porter, T.E. Evans, P. Stangeby, N.H. Brooks,		
in the NSTX edge plasma, M.E. Rensink, H. Kugel, R. Maingi, F. Paoletti, G.D. Porter, T.D. Rogn-			M.E. Fenstermacher, R.C. Isler, T.D. Rognlien, M.R. Wade, D.G. Whyte and N.S. Wolf	290–293 (2001)	783
lien, S. Sabbagh and X. Xu Consistency check of $Z_{\text{eff}}$ measure-	290–293 (2001)	706	Control of divertor geometry and performance of the ergodic di-	270-273 (2001)	703
ments in ergodic divertor plasmas on Tore Supra, B. Schunke, C. De Michelis, R. Guirlet, P. Monier-			vertor of Tore Supra, Ph. Ghen- drih, M. Bécoulet, L. Costanzo, Y. Corre, C. Grisolia, A. Grosman, R.		
Garbet, M. Mattioli, E. Chareyre and O. Meyer Spectroscopic studies of stationary	290–293 (2001)	715	Guirlet, J. Gunn, T. Loarer, P. Monier-Garbet, G. Mank, R. Reichle, JC. Vallet, M. Zabiégo,		
MARFES in TEXTOR-94, G. Sergienko, A. Pospieszczyk, M. Lehnen, M. Brix, J. Rapp, B.			A. Azéroual, J. Bucalossi, P. Devynck, C. De Michelis, K.H. Fin-		
Schweer and P.T. Greenland Study of edge plasma properties com-	290–293 (2001)	720	ken, J. Hogan, F. Laugier, F. Nguyen, B. Pégourié, F. Saint-Laurent, B. Schunke and Tore Su-		
paring operation in hydrogen and helium in RFX, M. Spolaore, V. Antoni, M. Bagatin, D. Desideri,			pra Team  Experimental investigations of the SOL plasma in the MAST toka-	290–293 (2001)	798
L. Fattorini, E. Martines, G. Serianni, L. Tramontin and N. Vianello	290–293 (2001)	729	mak, JW. Ahn and G.F. Counsell Pumping effect on the divertor plasma and detachment in the JT-60U W-	290–293 (2001)	820
Onion-skin method (OSM) analysis of DIII-D edge measurements, P.C.	230 233 (2001)	12)	shaped divertor, N. Asakura, S. Sakurai, H. Tamai, Y. Koide, Y.		
Stangeby, J.G. Watkins, G.D. Porter, J.D. Elder, S. Lisgo, D. Reiter, W.P. West and D.G. Whyte	290–293 (2001)	733	Sakamoto, O. Naito, H. Kubo, K. Itami and K. Masaki Analysis of energy flux deposition and	290–293 (2001)	825
Density control and plasma edge characterisation of ECRH heated plasmas in the TJ-II stellarator,			sheath transmission factors during ergodic divertor operation on Tore Supra, L. Costanzo, J.P. Gunn, T.		
F.L. Tabarés, D. Tafalla, B. Brañas, E. de la Cal, I. García-Cortés, T. Estrada, I. Pastor, J.			Loarer, L. Colas, Y. Corre, Ph. Ghendrih, C. Grisolia, A. Grosman, D. Guilhem, P. Monier-Gar-		
Herranz, E. de la Luna and F. Medina	290–293 (2001)	748	bet, R. Reichle, H. Roche and J.C. Vallet	290–293 (2001)	840
Particle simulation of detached plasma in the presence of diffusive particle loss and radiative energy loss, T.			Divertor target heat load reduction by electrical biasing, and application to COMPASS-D, S.J. Fielding,		
Takizuka, M. Hosokawa and K. Shimizu	290–293 (2001)	753	R.H. Cohen, P. Helander and D.D. Ryutov	290–293 (2001)	859

Measurement and simulation of edge flows induced by ergodization in Tore Supra, J.P. Gunn, C. Bou- cher, Y. Corre, P. Devynck, Ph. Ghendrih and JY. Pascal Critical issues in divertor optimisation for ITER-FEAT, A.S. Kukushkin, G. Janeschitz, A. Loarte, H.D.	290–293 (2001) 877	J.A. Boedo, D. Coster, I. Furno, J. Horacek, A.S. Kukushkin, D. Reiter, J. Rommers and TCV Team Helium exhaust in divertor–closure configuration with W-shaped divertor of JT-60U, A. Sakasai, H. Takenaga, H. Kubo, N. Akino, S. Higashijima, S. Sakurai, H. Tamai,	290–293 (2001) 940
Pacher, D. Coster, D. Reiter and R. Schneider Narrow power deposition profiles on the JET divertor target, J. Linger-	290–293 (2001) 887	K. Itami and N. Asakura The influence of the poloidal variation of the density on the locally mea- sured velocities induced by biasing	290–293 (2001) 957
tat, M. Laux and R. Monk Particle collection and exhaust in ergodic divertor experiments on Tore Supra, T. Loarer, Ph. Ghendrih, J. Gunn, A. Azéroual, L. Costanzo, C. Grisolia, R. Guirlet, G. Mank, P. Monior, Corbett and P. Pécaurié	290–293 (2001) 896	experiments, M. van Schoor, H. van Goubergen and R. Weynants Modeling of Alcator C-Mod divertor baffling experiments, D.P. Stotler, C.S. Pitcher, C.J. Boswell, T.K. Chung, B. LaBombard, B. Lipschultz, L. L. Tarry and B. L. Kong, Schultz, L. L. Tarry and B. L. Kong,	290–293 (2001) 962
P. Monier-Garbet and B. Pégourié Alternative schemes of power deposi- tion with the ergodic divertor on Tore Supra, G. Mank, Ph. Ghen- drih, C. Grisolia, J. Gunn, T. Loarer, P. Monier-Garbet, L. Costanzo, K.H. Finken, C. De	290–293 (2001) 900	schultz, J.L. Terry and R.J. Kanzleiter  JET methane screening experiments, J.D. Strachan, K. Erents, W. Fundamenski, M. von Hellermann, L. Horton, K. Lawson, G. McCracken, J. Spence, M. Stamp	290–293 (2001) 967
Michelis and R. Reichle Effect of biasing on divertors in low and high ionization states, H. Matsuura, T. Yamamoto and M.	290–293 (2001) 910	and K-D. Zastrow Spectroscopic measurement of biasing effect on sheath electric field dis- tribution in front of a metal plate	290–293 (2001) 972
Numano On the way to divertor detachment in the W7-AS stellarator, K. McCormick, P. Grigull, R. König, R. Burhenn, H. Ehmler, Y. Feng, S. Fiedler, L. Giannone, D. Hildebrandt, J.P. Knauer, G. Kühner,	290–293 (2001) 915	inserted in a plasma flow, K. Ta-kiyama, T. Oda and K. Sato Characterisation of the separatrix position in the ergodic divertor discharges of the Tore Supra tokamak, M. Zabiégo, Ph. Ghendrih, M. Bécoulet, L. Costanzo, C.	290–293 (2001) 976
D. Naujoks, J. Sallander, Ch. Wendland and W7-AS Team  High radiation from intrinsic and injected impurities in Tore Supra ergodic divertor plasmas, P. Monier-Garbet, C. De Michelis, Ph. Ghendrih, C. Grisolia, A. Grosman, R. Guirlet, J. Gunn, T. Loarer, C.E. Bush, C. Clement, Y. Corre, L. Costanzo, B. Schunke	290–293 (2001) 920	De Michelis, C. Friant and J. Gunn Experiments and computational modeling focused on divertor and SOL optimization for advanced tokamak operation on DIII-D, S.L. Allen, J.A. Boedo, A.S. Bozek, N.H. Brooks, T.N. Carlstrom, T.A. Casper, R.J. Colchin, T.E. Evans, M.E. Fenstermacher, M.E. Friend, R.C. Isler, R. Jayakumar, C.J. Lasnier, A.W. Lagard M.A. Maldari, P. Mainei,	290–293 (2001) 985
and J.C. Vallet The effect of divertor magnetic balance on H-mode performance in DIII- D, T.W. Petrie, C.M. Greenfield, R.J. Grobener, A.W. Hyatt, R.J. La Haye, A.W. Leonard, M.A. Mahdavi, T.H. Osborne, M.J. Schaffer, D.M. Thomas, W.P. West, S.L. Allen, M.E. Fen-	290–293 (2001) 925	Leonard, M.A. Mahdavi, R. Maingi, G.R. McKee, R.A. Moyer, M. Murakami, T.H. Osborne, R.C. O'Neill, T.W. Petrie, G.D. Porter, A.T. Ramsey, M.J. Schaffer, P.C. Stangeby, R.D. Stambaugh, M.R. Wade, J.G. Watking, W.P. West, D.G. Whyte and N.S. Wolf Impurity behavior in high perfor-	290–293 (2001) 995
stermacher, C.J. Lasnier, G.D. Porter, N.S. Wolf, J.G. Watkins, T.L. Rhodes and DIII-D Team Divertor geometry effects on detachment in TCV, R.A. Pitts, B.P. Duval, A. Loarte, JM. Moret,	290–293 (2001) 935	mance radiative discharges of JT-60U, S. Sakurai, H. Kubo, A. Takenaga, N. Asakura, H. Tamai, T. Ishijima, S. Konoshima, K. Itami, A. Sakasai, S. Higashijima, T. Sugie and JT-60 Team	290–293 (2001) 1002

Edge transport barrier formation and		teractions, A.M. Litnovsky, B.I.	
ELM phenomenology in the W7-		Khripunov, G.V. Sholin, V.B.	
AS stellarator, P. Grigull, M. Hirsch, J. Baldzuhn, H. Ehmler, F.		Petrov, V.V. Shapkin and N.V. Antonov	290–293 (2001) 1107
Gadelmeier, L. Giannone, HJ.		Experimental study of radiation power	290–293 (2001) 1107
Hartfuss, D. Hildebrandt, R. Jae-		flux on the target surface during	
nicke, J. Kisslinger, R. Koenig, K.		high heat plasma irradiation, V.N.	
McCormick, F. Wagner, A. Weller,	()	Litunovsky, I.B. Ovchinnikov and	()
Ch. Wendland and W7-AS Team	290–293 (2001) 1009	V.A. Titov	290–293 (2001) 1112
Gas puff fueled H-mode discharges with good energy confinement		Dynamic behavior of detached recombining plasmas during ELM-	
above the Greenwald density limit		like plasma heat pulses in the	
on DIII-D, T.H. Osborne, M.A.		divertor plasma simulator	
Mahdavi, M. Chu, M.E. Fen-		NAGDIS-II, Y. Uesugi, N. Hat-	
stermacher, R. La Haye, A.W.		tori, D. Nishijima, N. Ohno and S.	200, 202 (2001) 1124
Leonard, G. McKee, T.W. Petrie, C. Rettig, M. Wade, J. Watkins		Takamura Vertical target and FW erosion during	290–293 (2001) 1134
and DIII-D Team	290-293 (2001) 1013	off-normal events and impurity	
Mitigation of plasma-wall interaction	,	production and transport during	
during quasi-single helicity states in		ELMs typical for ITER-FEAT, H.	
RFX, G. Spizzo, P. Franz, L. Mar-		Würz, S. Pestchanyi, B. Bazylev, I.	200 202 (2001) 1120
relli, P. Martin, A. Murari, T. Bolzonella, D. Terranova and P. Zanca	290–293 (2001) 1018	Landman and F. Kappler Operational limits under different wall	290–293 (2001) 1138
Active cooling, calorimetry and energy	270-273 (2001) 1010	conditions on TEXTOR-94, J.	
balance in Tore Supra, J.C. Vallet,		Rapp, W. Biel, H. Gerhauser, A.	
R. Reichle, M. Chantant, V.		Huber, H.R. Koslowski, M. Leh-	
Basiuk and R. Mitteau	290–293 (2001) 1023	nen, V. Philipps, A. Pospieszczyk,	
Particle balance in NBI heated long pulse discharges on LHD, Y. Na-		D. Reiser, U. Samm, G. Sergienko, M.Z. Tokar and R. Zagórski	290–293 (2001) 1148
kamura, H. Suzuki, Y. Oka, M.		RF wall conditioning – a new techni-	290-293 (2001) 1146
Osakabe, B.J. Peterson, S. Masu-		que for future large super-	
zaki, T. Morisaki, J. Miyazawa, Y.		conducting tokamak, J.K. Xie,	
Takeiri, M. Sato, T. Shimozuma,		Y.P. Zhao, J. Li, B.N. Wan, X.Z.	
T. Mutoh, N. Noda, K. Kawahata, N. Ohyabu, O. Motojima and		Gong, J.S. Hu, X. Gao, X.M. Gu, S.D. Zhang, X.M. Wang, Y.Z.	
LHD Experimental Groups	290-293 (2001) 1040	Mao, X.K. Yang, M. Zhen and	
Prediction and mitigation of disruptions	250 250 (2001) 1010	S.Y. Zhang	290-293 (2001) 1155
in ASDEX Upgrade, G. Pautasso, S.			
Egorov, Ch. Tichmann, J.C. Fuchs,		Plasma–Materials Interaction	
A. Herrmann, M. Maraschek, F. Mast, V. Mertens, I. Perchermeier,		Plasma-wall interaction issues in ITER, G. Janeschitz and ITER	
C.G. Windsor, T. Zehetbauer and		JCT and HTs	290–293 (2001) 1
ASDEX Upgrade Team	290-293 (2001) 1045	Review of initial experimental results of	
Thermal load distribution on the		the PSI studies in the large helical	
ALT-II limiter of TEXTOR-94		device, S. Masuzaki, K. Akaishi, H.	
during disruptions, K.H. Finken, A. Krämer-Flecken, G. Mank and		Funaba, M. Goto, K. Ida, S. Inagaki, N. Inoue, K. Kawahata, A. Komori,	
S.S. Abdullaev	290-293 (2001) 1064	Y. Kubota, T. Morisaki, S. Morita,	
Lateral deflection of the SOL plasma	250 250 (2001) 100.	Y. Nakamura, K. Narihara, K.	
during a giant ELM, I.S. Landman		Nishimura, N. Noda, N. Ohyabu,	
and H. Würz	290–293 (2001) 1088	B.J. Peterson, A. Sagara, R. Saka-	
Effect of magnetic geometry on ELM heat flux profiles, C.J. Lasnier,		moto, K. Sato, M. Shoji, H. Suzuki, Y. Takeiri, K. Tanaka, T. Tokuzawa,	
A.W. Leonard, T.W. Petrie and		T. Watanabe, K. Tsuzuki, T. Hino,	
J.G. Watkins	290-293 (2001) 1093	Y. Matsumoto, S. Kado, O. Motoji-	
Tolerable ELMs at high density in		ma and LHD Experimental Group	290–293 (2001) 12
DIII-D, A.W. Leonard, T.H. Os-		Plasma-surface interactions on li-	200 202 (2001) 12
borne, M.E. Fenstermacher, C.J. Lasnier and M.A. Mahdavi	290–293 (2001) 1097	quids, R. Bastasz and W. Eckstein D, He and Li sputtering of liquid eu-	290–293 (2001) 19
Resonance radiation and high excita-	270-273 (2001) 1037	tectic Sn-Li, J.P. Allain, D.N.	
tion of neutrals in plasma-gas in-		Ruzic and M.R. Hendricks	290–293 (2001) 33

Mechanism of the chemical erosion of			Plasma operation with tungsten tiles at		
SiC under hydrogen irradiation,			the central column of ASDEX		
M. Balden, S. Picarle and J. Roth	290–293 (2001)	47	Upgrade, R. Neu, V. Rohde, A.		
Chemical erosion of carbon doped			Geier, K. Krieger, H. Maier, D.		
with different fine-grain carbides,			Bolshukhin, A. Kallenbach, R.		
M. Balden, C. García-Rosales, R.			Pugno, K. Schmidtmann, M. Zar-		
Behrisch, J. Roth, P. Paz and J.			rabian and ASDEX Upgrade		
Etxeberria	290–293 (2001)	52	Team	290–293 (2001)	206
Membrane bias effects on plasma-driven			The porous vanadium as a plasma fa-		
permeation of hydrogen through			cing material for the fusion devices,		
niobium membrane, A. Busnyuk, Y.			A.V. Zhmendak, A. Huber, V.A.		
Nakamura, Y. Nakahara, H. Suzuki,			Kvitcinskiy, E.V. Mudretskaya,		
N. Ohyabu and A. Livshits	290–293 (2001)	57	A.V. Nedospasov, V.V. Panechki-		
Methane formation in graphite and bor-			na, S.N. Pavlov, A. Pospieszczyk,		
on-doped graphite under simulta-			G.V. Sergienko and V.F. Virko	290–293 (2001)	220
neous O <sup>+</sup> and H <sup>+</sup> irradiation, A.Y.K.			Erosion/deposition issues at JET, J.P.		
Chen, J.W. Davis and A.A. Haasz	290–293 (2001)	61	Coad, N. Bekris, J.D. Elder, S.K.		
Chemical erosion of boronized films from			Erents, D.E. Hole, K.D. Lawson,		
DIII-D tiles, J.W. Davis, P.B. Wright,			G.F. Matthews, RD. Penzhorn		
R.G. Macaulay-Newcombe, A.A.	()		and P.C. Stangeby	290–293 (2001)	224
Haasz and C.G. Hamilton	290–293 (2001)	66	Surface reactions of hydrocarbon		
Formation of mixed layers and com-			radicals: suppression of the re-		
pounds on beryllium due to C <sup>+</sup> and			deposition in fusion experiments		
CO <sup>+</sup> bombardment, P. Goldstrass	200 202 (2001)	71	via a divertor liner, A. von Keudell,		
and Ch. Linsmeier	290–293 (2001)	71	T. Schwarz-Selinger, W. Jacob and	200 202 (2001)	221
Anisotropic radiation damage by			A. Stevens	290–293 (2001)	231
charge exchange neutrals under			Modelling of erosion and deposition at		
tokamak discharges in TRIAM-			limiter surfaces and divertor target		
1M, T. Hirai, T. Fujiwara, K. To-			plates, A. Kirschner, A. Huber, V.		
kunaga, N. Yoshida, S. Itoh and	200 202 (2001)	0.4	Philipps, A. Pospieszczyk, P.	200 202 (2001)	220
TRIAM Group	290–293 (2001)	94	Wienhold and J. Winter	290–293 (2001)	238
Unified analytic representation of			Dust characterization and analysis in		
physical sputtering yield, R.K. Janev, Yu.V. Ralchenko, T. Ken-			Tore-Supra, Ph. Chappuis, E. Tsitrone, M. Mayne, X. Armand, H.		
motsu and K. Hosaka	290–293 (2001)	104	Linke, H. Bolt, D. Petti and J.P.		
Synergistic effects by simultaneous	290–293 (2001)	104	Sharpe	290–293 (2001)	245
bombardment of tungsten with			Characterisation of radiation and flux	290–293 (2001)	243
hydrogen and carbon, K. Krieger			measurements on a neutraliser		
and J. Roth	290–293 (2001)	107	plate of the Tore Supra ergodic		
Influence of oxygen on the carbide	270-273 (2001)	107	divertor, Y. Corre, R. Giannella,		
formation on tungsten, J. Luthin			C. De Michelis, R. Guirlet, A.		
and Ch. Linsmeier	290–293 (2001)	121	Azéroual, E. Chareyre, L. Costan-		
Chemical erosion of doped graphites	250 250 (2001)		zo, A. Escarguel, E. Gauthier, Ph.		
for fusion devices, C. García-Ro-			Ghendrih, J. Gunn, J. Hogan, P.		
sales and M. Balden	290-293 (2001)	173	Monier-Garbet, B. Pégourié, A.		
Measurements and modeling of D, He	,		Pospieszczyk and E. Tsitrone	290-293 (2001)	250
and Li sputtering of liquid lithium,			Towards an improved understanding	,	
J.P. Allain, D.N. Ruzic and M.R.			of the relationship between plasma		
Hendricks	290-293 (2001)	180	edge and materials issues in a next-		
Erosion/redeposition analysis of li-			step fusion device, G.F. Counsell,		
thium-based liquid surface diver-			J.P. Coad, G. Federici, K. Krieger,		
tors, J.N. Brooks, T.D. Rognlien,			V. Philipps, C.H. Skinner and		
D.N. Ruzic and J.P. Allain	290-293 (2001)	185	D.G. Whyte	290-293 (2001)	255
Experimental study of lithium target			Assessment of erosion and tritium co-		
under high power load, B.I. Khri-			deposition in ITER-FEAT, G.		
punov, V.B. Petrov, V.V. Shapkin,			Federici, J.N. Brooks, D.P. Coster,		
A.S. Pleshakov, A.S. Rupyshev,			G. Janeschitz, A. Kukuskhin, A.		
N.V. Antonov, A.M. Litnovsky,			Loarte, H.D. Pacher, J. Stober and		_
P.V. Romanov, Yu.S. Shpansky,			C.H. Wu	290–293 (2001)	260
V.A. Evtikhin, I.E. Lyublinsky and	200 202 (202	201	Erosion and outgassing behavior of		
A.V. Vertkov	290–293 (2001)	201	TiN-coated plasma facing compo-		

nents of the Uragan-3M torsatron,			E. Gauthier, A. Grosman and J.Y.		
G.P. Glazunov, E.D. Volkov, V.P.			Pascal	290-293 (2001)	331
Veremeyenko, N.A. Kosik, A.A.			Erosion and deposition effects on the		
Kutsyn, J. Langner, E. Langner,			vessel wall of TEXTOR-94, J. von		
Yu.K. Mironov, N.I. Nazarov, J.			Seggern, M. Mayer, D. Reiser, M.		
Piekoszewski, M. Sadowski, J.	200 202 (2001)	266	Rubel and V. Philipps	290–293 (2001)	341
Stanislawski and V.I. Tereshin	290–293 (2001)	266	Suppression of net erosion in the DIII-		
Comparison of impurity production, recycling and power deposition on			D divertor with detached plasmas, W.R. Wampler, D.G. Whyte,		
carbon and tungsten limiters in			C.P.C. Wong and W.P. West	290–293 (2001)	346
TEXTOR-94, A. Huber, V. Phi-			Extinction of CD band emission in the	230 233 (2001)	2.0
lipps, A. Pospieszczyk, A. Kirsch-			divertor of ASDEX Upgrade, U.		
ner, M. Lehnen, T. Ohgo, K.			Wenzel, M. Laux, R. Pugno and		
Ohya, M. Rubel, B. Schweer, J.			K. Schmidtmann	290–293 (2001)	352
von Seggern, G. Sergienko, T. Ta-	200 202 (2001)	27.6	Reduction of divertor carbon sources		
nabe and M. Wada Rapid diffusion of lithium into bulk	290–293 (2001)	276	in DIII-D, D.G. Whyte, W.P.		
graphite in lithium conditioning,			West, R. Doerner, N.H. Brooks, R.C. Isler, G.L. Jackson, G. Por-		
N. Itou, H. Toyoda, K. Morita and			ter, M.R. Wade and C.P.C. Wong	290-293 (2001)	356
H. Sugai	290-293 (2001)	281	Hydrogen inventories in nuclear fusion	,	
Molybdenum sources and transport in	` ′		devices, M. Mayer, V. Philipps, P.		
Alcator C-Mod, B. Lipschultz,			Wienhold, H.G. Esser, J. von Seg-		
D.A. Pappas, B. LaBombard, J.E.	()	•0.5	gern and M. Rubel	290–293 (2001)	381
Rice, D. Smith and S. Wukitch	290–293 (2001)	286	Particle trapping in carbon walls dur-		
Detection of sputtered and evaporated carbon aggregates: relative and			ing ICRH heating in Tore Supra, C. Grisolia, J. Hogan, Ph. Ghen-		
absolute electron ionization frag-			drih, T. Loarer, J. Gunn, P. Mon-		
mentation yields, C. Mair, H.			ier-Garbet, M. Becoulet and Th.		
Deutsch, K. Becker, T.D. Märk			Hutter	290-293 (2001)	402
and E. Vietzke	290–293 (2001)	291	Comparison of hydrogen and tritium		
Detailed structure analysis of deposit			uptake and retention in JET, D.L.		
layer in TEXTOR by means of			Hillis, J. Hogan, J.P. Coad, G.		
TEM techniques, S. Muto, N. Yokoya and T. Tanabe	290–293 (2001)	295	Duxbury, M. Groth, H.Y. Guo, L. Horton, G. Matthews, A. Meigs, P.		
Simulation calculations of mutual	270-273 (2001)	273	Morgan, M. Stamp and M. von		
contamination between tungsten			Hellermann	290-293 (2001)	418
and carbon and its impact on			Modeling of wall recycling effects on	` ′	
plasma surface interactions, K.			the global particle balance in		
Ohya, R. Kawakami, T. Tanabe,			magnetic fusion devices, Y. Hiro-		
M. Wada, T. Ohgo, V. Philipps, A.			oka, S. Masuzaki, H. Suzuki, T. Kenmotsu and T. Kawamura	200 202 (2001)	122
Pospieszczyk, A. Huber, M. Rubel, G. Sergienko and N. Noda	290–293 (2001)	303	Local recycling coefficients and wall	290–293 (2001)	423
Spectroscopic investigation on the im-	270-273 (2001)	303	equilibration in tokamaks, P.K.		
purity influxes of carbon and silicon			Mioduszewski and L.W. Owen	290-293 (2001)	443
in the ASDEX upgrade experiment,			Tritium detection in plasma facing com-		
R. Pugno, A. Kallenbach, D. Bol-			ponent by imaging plate technique,		
shukhin, R. Dux, J. Gafert, R. Neu,			K. Miyasaka, T. Tanabe, G. Mank,		
V. Rohde, K. Schmidtmann, W. Ullrich, U. Wenzel and ASDEX			K.H. Finken, V. Philipps, D.S. Walsh, K. Nishizawa and T. Saze	200 202 (2001)	110
Upgrade Team	290–293 (2001)	308	Fuel accumulation in co-deposited	290–293 (2001)	440
Interactions between liquid-wall vapor	250 253 (2001)	500	layers on plasma facing compo-		
and edge plasmas, T.D. Rognlien			nents, M. Rubel, P. Wienhold and		
and M.E. Rensink	290–293 (2001)	312	D. Hildebrandt	290–293 (2001)	473
Studies of tungsten erosion at the inner			Hydrogen recycling study by Balmer		
and outer main chamber wall of the			lines emissions in linear plasma		
ASDEX Upgrade tokamak, A. Ta- basso, H. Maier, J. Roth, K. Krie-			machine TPE, K. Shimada, T. Tanabe, R. Causey, T. Venhaus and		
ger and ASDEX Upgrade Team	290–293 (2001)	326	K. Okuno	290–293 (2001)	478
Net erosion measurements on plasma	(==31)	-	Studies of tritiated co-deposited layers	(=)	
facing components of Tore Supra,			in TFTR, C.H. Skinner, C.A.		
E. Tsitrone, P. Chappuis, Y. Corre,			Gentile, G. Ascione, A. Carpe,		

R.A. Causey, T. Hayashi, J. Hogan, S. Langish, M. Nishi, W.M. Shu, W.R. Wampler and K.M.			in Tore Supra, J. Hogan, C. De Michelis, P. Monier-Garbet, M. Becoulet, C. Bush, Ph. Ghendrih,		
Young Influence of hydrogen surface coverage	290–293 (2001)	486	R. Guirlet, W. Hess, M. Mattioli and J.C. Vallet	290–293 (2001)	628
on atomic particle reflection, I.			Heat load on the first wall materials and interaction of emitted neutrals	250 253 (2001)	020
Takagi, Y. Koga, H. Fujita and K. Higashi	290–293 (2001)	501	with plasma, K. Kobayashi, S.		
Interpretation of SOL flows and target			Kado, B. Xiao and S. Tanaka	290–293 (2001)	648
asymmetries in JET using EDGE2D code calculations, A.V.			Energy flux measurements in a steady- state discharge at PSI-2, B. Koch,		
Chankin, G. Corrigan, S.K.			W. Bohmeyer, G. Fussmann, P.		
Erents, G.F. Matthews, J. Spence and P.C. Stangeby	290–293 (2001)	518	Kornejew and HD. Reiner Studies of edge plasmas in an anchor	290–293 (2001)	653
Radiation distribution and power bal-	250 253 (2001)	310	minimum-B region of the GAM-		
ance in the ASDEX Upgrade LYRA			MA 10 tandem mirror, Y. Naka-		
divertor, J.C. Fuchs, D. Coster, A. Herrmann, A. Kallenbach, K.F.			shima, K.Md. Islam, A. Wada, D. Sato, S. Kobayashi, Y. Ishimoto,		
Mast and ASDEX Upgrade Team	290–293 (2001)	525	Y. Kawasaki, I. Katanuma, T.		
Plasma edge fluid models for recycling at near tangential surfaces, M.			Saito, M. Yoshikawa, R. Baba, H. Aminaka, E. Ishinuki and K. Ya-		
Baelmans, D. Reiter, B. Küppers			tsu	290–293 (2001)	683
and P. Börner Observations of cold, high density plas-	290–293 (2001)	537	Visible imaging of turbulence in the SOL of the Alcator C-Mod toka-		
ma in the private flux region of the			mak, J.L. Terry, R. Maqueda, C.S.		
Alcator C-Mod divertor, C.J. Bos-			Pitcher, S.J. Zweben, B. La-		
well, J.L. Terry, B. LaBombard, B. Lipschultz and J.A. Goetz	290–293 (2001)	556	Bombard, E.S. Marmar, A.Yu. Pigarov and G. Wurden	290–293 (2001)	757
Feedback control on edge plasma			Multi-machine modelling of divertor	200 202 (2001)	005
parameters with ergodic divertor in Tore Supra, J. Bucalossi, J.P.			geometry effects, A. Loarte Experimental investigations of the	290–293 (2001)	805
Gunn, A. Géraud, Ph. Ghendrih,			SOL plasma in the MAST toka-		
C. Grisolia, A. Grosman, G. Martin, D. Moulin, JY. Pascal and F.			mak, JW. Ahn and G.F. Counsell Analysis of energy flux deposition and	290–293 (2001)	820
Saint-Laurent	290–293 (2001)	566	sheath transmission factors during		
Extension of the B2 code towards the plasma core for a self-consistent			ergodic divertor operation on Tore Supra, L. Costanzo, J.P. Gunn, T.		
simulation of ASDEX upgrade			Loarer, L. Colas, Y. Corre, Ph.		
scenarios, H. Bürbaumer, R. Neu,			Ghendrih, C. Grisolia, A. Gros-		
R. Schneider, D. Coster, J. Stober, F. Aumayr and H.P. Winter	290–293 (2001)	571	man, D. Guilhem, P. Monier-Garbet, R. Reichle, H. Roche and		
Analysis of SOL behaviour in JET	,		J.C. Vallet	290–293 (2001)	840
MkIIGB using an advanced onion- skin solver (OSM2), W. Funda-			Transport modelling of TEXTOR- DED laminar zone, Th. Eich, D.		
menski, S.K. Erents, G.F. Mat-			Reiser and K.H. Finken	290–293 (2001)	849
thews, A.V. Chankin, V. Riccardo, P.C. Stangeby and J.D. Elder	290–293 (2001)	593	Spectral profile analysis of the $D\alpha$ line in the divertor region of Tore-Su-		
Heat flux decay length in the midplane	`		pra, A. Escarguel, R. Guirlet, A.		
of ASDEX Upgrade, A. Herrmann, A. Carlson, J.C. Fuchs, O. Gruber,			Azéroual, B. Pégourié, J. Gunn, T. Loarer, H. Capes, Y. Corre, C. De		
M. Laux, J. Neuhauser, R. Pugno,			Michelis, L. Godbert-Mouret, M.		
A. Sips, W. Treutterer, W. Schneider and ASDEX Upgrade Team	290–293 (2001)	619	Koubiti, M. Mattioli and R. Stamm	290–293 (2001)	854
Impurity behavior before and during	290–293 (2001)	019	Divertor target heat load reduction by	290–293 (2001)	0.54
the x-point MARFE in JT-60U, S.			electrical biasing, and application		
Higashijima, H. Kubo, T. Sugie, T. Nakano, S. Konoshima, H. Tamai,			to COMPASS-D, S.J. Fielding, R.H. Cohen, P. Helander and D.D.		
K. Shimizu, A. Sakasai, N. Asa-	200 202 (2021)	(22	Ryutov	290–293 (2001)	859
kura, S. Sakurai and K. Itami Effect of limiter recycling on measured	290–293 (2001)	023	Noble gas enrichment studies at JET, M. Groth, P. Andrew, W. Funda-		
poloidal impurity emission profiles			menski, H.Y. Guo, D.L. Hillis, J.T.		

Hogan, L.D. Horton, G.F. Mat- thews, A.G. Meigs, P.M. Morgan, M.F. Stamp and M. von Heller- mann  Spectroscopic study of neon emission and retention in the Tore Supra ergodic divertor, R. Guirlet, J. Hogan, Y. Corre, C. De Michelis, A. Escarguel, W. Hess, P. Monier-	290–293 (2001) 867	Impurity behavior in high performance radiative discharges of JT-60U, S. Sakurai, H. Kubo, A. Takenaga, N. Asakura, H. Tamai, T. Ishijima, S. Konoshima, K. Itami, A. Sakasai, S. Higashijima, T. Sugie and JT-60 Team  Plasma–surface interaction effects during high ion temperature long	290–293 (2001) 1002
Garbet and B. Schunke Island divertor investigations on the W7-AS stellarator, R.W.T. König, K. McCormick, Y. Feng, S. Fie- dler, P. Grigull, D. Hildebrandt, J. Kisslinger, J.P. Knauer, G. Kühner, D. Naujoks, J. Sallander, S. Sardei, F. Wagner and A. Wer- ner	290–293 (2001) 872 290–293 (2001) 882	N. Yoshida, T. Hirai, K. Tokunaga, S. Itoh and TRIAM Group Particle balance in NBI heated long pulse discharges on LHD, Y. Nakamura, H. Suzuki, Y. Oka, M. Osakabe, B.J. Peterson, S. Masuzaki, T. Morisaki, J. Miyazawa, Y.	290–293 (2001) 1030
Narrow power deposition profiles on the JET divertor target, J. Linger- tat, M. Laux and R. Monk	290–293 (2001) 896	T. Mutoh, N. Noda, K. Kawahata, N. Ohyabu, O. Motojima and LHD Experimental Groups	290–293 (2001) 1040
High radiation from intrinsic and injected impurities in Tore Supra ergodic divertor plasmas, P. Monier-Garbet, C. De Michelis, Ph. Ghendrih, C. Grisolia, A. Grosman, R. Guirlet, J. Gunn, T.		Material erosion and erosion products under plasma heat loads typical for ITER hard disruptions, V. Sa- fronov, N. Arkhipov, V. Bakhtin, S. Kurkin, F. Scaffidi-Argentina, D. Toporkov, S. Vasenin, H. Würz	
Loarer, C.E. Bush, C. Clement, Y. Corre, L. Costanzo, B. Schunke and J.C. Vallet Divertor geometry effects on detach-	290–293 (2001) 925	and A. Zhitlukhin  Study of brittle destruction and erosion mechanisms of carbon-based materials during plasma in-	290–293 (2001) 1052
ment in TCV, R.A. Pitts, B.P. Duval, A. Loarte, JM. Moret, J.A. Boedo, D. Coster, I. Furno, J. Horacek, A.S. Kukushkin, D. Rei-		stabilities, T. Burtseva, A. Hassa- nein, I. Ovchinnikov and V. Titov Peculiarity of deuterium ions interac- tion with tungsten surface in the	290–293 (2001) 1059
ter and J. Rommers Operation of TEXTOR-94 with tungsten poloidal main limiters, A. Pospieszczyk, T. Tanabe, V. Philipps, G. Sergienko, T. Ohgo, K. Kondo, M. Wada, M. Rubel, W.	290–293 (2001) 940	normal operation with plasma disruption in ITER, M.I. Guseva, V.I. Vasiliev, V.M. Gureev, L.S. Danelyan, B.I. Khirpunov, S.N. Korshunov, V.S. Kulikauskas, Yu.V.	
Biel, A. Huber, A. Kirschner, J. Rapp and N. Noda  Modeling of Alcator C-Mod divertor baffling experiments, D.P. Stotler, C.S. Pitcher, C.J. Boswell, T.K. Chung, B. LaBombard, B. Lip-	290–293 (2001) 947	Martynenko, V.B. Petrov, V.N. Strunnikov, V.G. Stolyarova, V.V. Zatekin and A.M. Litnovsky Macroscopic erosion of plasma facing and nearby components during plasma instabilities: the droplet	290–293 (2001) 1069
schultz, J.L. Terry and R.J. Kanz- leiter Issues in the plasma wall interactions in RFX, M. Valisa, R. Bartiromo, D. Bettella, L. Carraro, S. Costa, P.	290–293 (2001) 967	Cloud drifts over eroding surfaces in magnetic field configurations with three field components, P. La-	290–293 (2001) 1074
Martin, S. Martini, R. Pasqualotto, M.E. Puiatti, P. Scarin, F. Sattin, G. Telesca, P. Zanca and B. Zaniol Characterisation of the separatrix po- sition in the ergodic divertor dis-	290–293 (2001) 980	lousis, R. Schneider and L.L. Lengyel  Experimental study of radiation power flux on the target surface during high heat plasma irradiation, V.N.	290–293 (2001) 1084
charges of the Tore Supra tokamak, M. Zabiégo, Ph. Ghen- drih, M. Bécoulet, L. Costanzo, C. De Michelis, C. Friant and J. Gunn	290–293 (2001) 985	Litunovsky, I.B. Ovchinnikov and V.A. Titov  Modeling of particulate production in	290–293 (2001) 1112

mulator, J.P. Sharpe, B.J. Merrill, D.A. Petti, M.A. Bourham and J.G. Gilligan Vertical target and FW erosion during off-normal events and impurity production and transport during ELMs typical for ITER-FEAT, H. Würz, S. Pestchanyi, B. Bazylev, I. Landman and F. Kappler Measurement of thermal wall-load distribution caused by the locked mode in a reversed-field pinch plasma, Y. Yagi, S. Sekine, H. Koguchi, T.	290–293 (2001) 1128 290–293 (2001) 1138	terium implanted in tungsten, S. Nagata and K. Takahiro Peculiarity of deuterium ions interaction with tungsten surface in the condition imitating combination of normal operation with plasma disruption in ITER, M.I. Guseva, V.I. Vasiliev, V.M. Gureev, L.S. Danelyan, B.I. Khirpunov, S.N. Korshunov, V.S. Kulikauskas, Yu.V. Martynenko, V.B. Petrov, V.N. Strunnikov, V.G. Stolyarova, V.V. Zatekin and A.M. Litnovsky	290–293 (2001) 135 290–293 (2001) 1069
Bolzonella and H. Sakakita	290-293 (2001) 1144	·	, ,
Operational limits under different wall conditions on TEXTOR-94, J. Rapp, W. Biel, H. Gerhauser, A. Huber, H.R. Koslowski, M. Lehnen, V. Philipps, A. Pospieszczyk, D. Reiser, U. Samm, G. Sergienko,		Radiation Effects: Mechanical Properties  Material degradation and particle formation under transient thermal loads, J. Linke, M. Akiba, R. Duwe, A. Lodato, HJ. Penkalla, M. Rödig and K. Schöpflin	290–293 (2001) 1102
	200 202 (2001) 1149	W. Rodig and R. Schophin	290-293 (2001) 1102
M.Z. Tokar and R. Zagórski Characterization and conditioning of SSPX plasma facing surfaces, D.A. Buchenauer, B.E. Mills, R. Wood, S. Woodruff, D.N. Hill, E.B.	290–293 (2001) 1148	Radiation Effects: Physical Properties Impurity radiation modulations in an ergodic divertor, F. Laugier, M. Bécoulei, C. De Michelis, Ph.	
Hooper, D.F. Cowgill, M.W. Clift and N.Y. Yang Conditionings for plasma facing walls of large helical device, T. Hino, T. Ohuchi, M. Hashiba, Y. Ya-	290–293 (2001) 1165	Ghendrih, J.P. Gunn, P. Monier-Garbet, R. Reichle and J.C. Vallet Mitigation of plasma-wall interaction during quasi-single helicity states in RFX, G. Spizzo, P. Franz, L. Mar-	290–293 (2001) 892
mauchi, Y. Hirohata, N. Inoue, A.	200, 202 (2001) 1176	relli, P. Martin, A. Murari, T. Bol-	200, 202 (2001) 1019
Sagara, N. Noda and O. Motojima Wall conditioning and density control	290–293 (2001) 1176	zonella, D. Terranova and P. Zanca Resonance radiation and high excitation	290–293 (2001) 1018
in the TJ-II stellarator, D. Tafalla and F.L. Tabarés  Polymers	290–293 (2001) 1195	of neutrals in plasma—gas interac- tions, A.M. Litnovsky, B.I. Khripu- nov, G.V. Sholin, V.B. Petrov, V.V. Shapkin and N.V. Antonov	290–293 (2001) 1107
Electric currents in the scrape-off layer		Shapkin and N.V. Antonov	290-293 (2001) 1107
in ASDEX Upgrade, A. Kallenbach, A. Carlson, G. Pautasso, A. Peeters, U. Seidel, HP. Zehrfeld and ASDEX Upgrade Team	290–293 (2001) 639	Radiation Sources Characterisation of radiation and flux measurements on a neutraliser plate of the Tore Supra ergodic	
Wall conditioning by microwave generated plasmas in a toroidal magnetic field, J. Ihde, H.B. Störk, J. Winter, M. Rubel, H.G. Esser and		divertor, Y. Corre, R. Giannella, C. De Michelis, R. Guirlet, A. Azéroual, E. Chareyre, L. Costan- zo, A. Escarguel, E. Gauthier, Ph.	
H. Toyoda	290–293 (2001) 1180	Ghendrih, J. Gunn, J. Hogan, P. Monier-Garbet, B. Pégourié, A.	
Radiation Effects: Extended Defects, Mid	crostructures	Pospieszczyk and E. Tsitrone	290–293 (2001) 250
Anisotropic radiation damage by charge exchange neutrals under to- kamak discharges in TRIAM-1M, T. Hirai, T. Fujiwara, K. Tokunaga,		Net erosion measurements on plasma facing components of Tore Supra, E. Tsitrone, P. Chappuis, Y. Corre, E. Gauthier, A. Grosman and J.Y.	` ,
N. Yoshida, S. Itoh and TRIAM Group Non-destructive structural analysis of surface blistering by TEM and EELS in a reflection configuration,	290–293 (2001) 94	Pascal Local emission and core concentration of tungsten in TEXTOR-94 plas- mas operated with tungsten test and poloidal limiters, M. Wada, T.	290–293 (2001) 331
S. Muto, T. Matsui and T. Tanabe Effect of helium irradiation on trap- ping and thermal release of deu-	290–293 (2001) 131	Ohgo, A. Pospieszczyk, A. Huber, G. Sergienko, T. Tanabe, W. Biel, K. Kondo, K. Ohya, V. Philipps,	

G. Bertschinger, J. Rapp, B. Schweer and N. Noda	290–293 (2001) 7	68 co	ratory study of the transport and ndensation of hydrocarbon ra-	
Recrystallization, Recovery and Grain Grain Study of brittle destruction and ero-	owth	mi	cals and its consequences for tigating the tritium inventory in the ITER-FEAT divertor, I.I. Ar-	
sion mechanisms of carbon-based materials during plasma in-		kh	ipov, G. Federici, A.E. Goretsky, C. Ibbott, D.A. Komarov,	
stabilities, T. Burtseva, A. Hassanein, I. Ovchinnikov and V. Titov	290–293 (2001) 10	A.	N. Makhankov, A.V. Markin, V. Mazul, R. Tivey, A.P. Za-	
Redeposition		kh	arov and R.Kh. Zalavutdinov u measurement of hydrogen re-	290–293 (2001) 394
Erosion/redeposition analysis of li-		ter	ntion in JET carbon tiles, D.D.R.	
thium-based liquid surface divertors, J.N. Brooks, T.D. Rognlien,			mmers, M.N.A. Beurskens, J.P. bad, G. Counsell, W. Funda-	
D.N. Ruzic and J.P. Allain Erosion/deposition issues at JET, J.P.	290–293 (2001) 1		enski, G.F. Matthews and M.F.	290–293 (2001) 496
Coad, N. Bekris, J.D. Elder, S.K. Erents, D.E. Hole, K.D. Lawson,			s of edge plasmas in an anchor nimum-B region of the GAMMA	
G.F. Matthews, RD. Penzhorn and P.C. Stangeby	290–293 (2001) 2	10	tandem mirror, Y. Nakashima, Md. Islam, A. Wada, D. Sato, S.	
Surface reactions of hydrocarbon ra-	290-293 (2001) 2	Ko	bayashi, Y. Ishimoto, Y. Kawa-	
dicals: suppression of the re- deposition in fusion experiments			ki, I. Katanuma, T. Saito, M. oshikawa, R. Baba, H. Aminaka,	
via a divertor liner, A. von Keudell, T. Schwarz-Selinger, W. Jacob and			Ishinuki and K. Yatsu nography of target plates with	290–293 (2001) 683
A. Stevens  Modelling of erosion and deposition at	290–293 (2001) 2		ar-infrared optical fibres at Tore pra, R. Reichle, V. Basiuk, V.	
limiter surfaces and divertor target plates, A. Kirschner, A. Huber, V.		Be	rgeaud, A. Cambe, M. Chan- nt, E. Delchambre, M. Druetta,	
Philipps, A. Pospieszczyk, P. Wienhold and J. Winter	290–293 (2001) 2	E.	Gauthier, W. Hess and C. Po-	290–293 (2001) 701
Characterisation of radiation and flux	290-293 (2001) 2	Plasm	a-surface interaction effects	290–293 (2001) 701
measurements on a neutraliser plate of the Tore Supra ergodic		pu	ring high ion temperature long lse experiments in TRIAM-1M,	
divertor, Y. Corre, R. Giannella, C. De Michelis, R. Guirlet, A.			Yoshida, T. Hirai, K. Tokuna- , S. Itoh and TRIAM Group	290–293 (2001) 1030
Azéroual, E. Chareyre, L. Costan- zo, A. Escarguel, E. Gauthier, Ph.			conditioning by microwave gen- ated plasmas in a toroidal mag-	
Ghendrih, J. Gunn, J. Hogan, P. Monier-Garbet, B. Pégourié, A.			tic field, J. Ihde, H.B. Störk, J. inter, M. Rubel, H.G. Esser and	
Pospieszczyk and E. Tsitrone Transport of and deposition from	290–293 (2001) 2		Toyoda	290–293 (2001) 1180
hydrocarbon radicals in a flow tube downstream from a CH <sub>4</sub> RF		•	of Nuclear Reactors characterization and analysis in	
discharge, A.E. Gorodetsky, I.I.		To	ore-Supra, Ph. Chappuis, E. Tsione, M. Mayne, X. Armand, H.	
Arkhipov, R.Kh. Zalavutdinov, A.P. Zakharov, Yu.N. Tolma-		Lin	nke, H. Bolt, D. Petti and J.P.	000 000 (0001) 045
chev, S.P. Vnukov and V.L. Bu-khovets	290–293 (2001) 2	71	arpe	290–293 (2001) 245
Simulation calculations of mutual contamination between tungsten		Mixed	n and Silicon Compounds I material formation and erosion,	
and carbon and its impact on plasma surface interactions, K.			n. Linsmeier, J. Luthin and P. bldstraß	290–293 (2001) 25
Ohya, R. Kawakami, T. Tanabe, M. Wada, T. Ohgo, V. Philipps, A.			anism of the chemical erosion of C under hydrogen irradiation,	
Pospieszczyk, A. Huber, M. Rubel, G. Sergienko and N. Noda	290–293 (2001) 3	M	. Balden, S. Picarle and J. Roth ical erosion of carbon doped	290–293 (2001) 47
Hydrogen inventories in nuclear fusion devices, M. Mayer, V. Philipps, P.		wi	th different fine-grain carbides, . Balden, C. García-Rosales, R.	
Wienhold, H.G. Esser, J. von Seg-	200 202 (2001) 2	Be	hrisch, J. Roth, P. Paz and J.	200 202 (2001) 52
gern and M. Rubel	290–293 (2001) 3	01 EU	xeberria	290–293 (2001) 52

TOF analysis of reflection of low-en- ergy light ions from solid targets using coaxial impact collision ion		Surface Effects  Mixed material formation and erosion,  Ch. Linsmeier, J. Luthin and P.		
scattering spectroscopy (CAI-CISS), K. Morita, N. Kishi, A. Grigoriev, S. Masuzaki and T.		Goldstraß  Mechanism of the chemical erosion of SiC under hydrogen irradiation,	290–293 (2001)	25
Muroga Non-destructive structural analysis of surface blistering by TEM and EELS in a reflection configuration, S. Muto, T. Matsui and T.	290–293 (2001) 126	<ul> <li>M. Balden, S. Picarle and J. Roth</li> <li>Chemical erosion of carbon doped with different fine-grain carbides,</li> <li>M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J.</li> </ul>	290–293 (2001)	47
Tanabe Silicon diffusion in amorphous carbon films, E. Vainonen-Ahlgren, T. Ahlgren, L. Khriachtchev, J. Likonen, S. Lehto, J. Keinonen	290–293 (2001) 131	Etxeberria  Membrane bias effects on plasma-driven permeation of hydrogen through niobium membrane, A. Busnyuk, Y. Nakamura, Y. Nakahara, H. Suzuki,	290–293 (2001)	52
and C.H. Wu Spectroscopic investigation on the impurity influxes of carbon and silicon in the ASDEX upgrade experiment, R. Pugno, A. Kallen-	290–293 (2001) 216	N. Ohyabu and A. Livshits Mixed-material coating formation on tungsten surfaces during plasma exposure in TEXTOR-94, D. Hil- debrandt, P. Wienhold and W.	290–293 (2001)	57
bach, D. Bolshukhin, R. Dux, J. Gafert, R. Neu, V. Rohde, K. Schmidtmann, W. Ullrich and U.		Schneider Attenuation of secondary electron emission from divertor plates due	290–293 (2001)	89
Wenzel ICRF siliconization in HT-7 super- conducting tokamak, X. Gong, J. Li, B. Wan, Y. Zhao, X. Zhang, X. Gu, C. Li, M. Zhen, Y. Jie, S.	290–293 (2001) 308	to magnetic field inclination, Yu. Igitkhanov and G. Janeschitz Work function change of first wall candidate metals due to ion beam irradiation, GN Luo, K. Yama-	290–293 (2001)	99
Zhang and Z. Wu Impurity release and recycling behaviour in TEXTOR-94 with silico-	290–293 (2001) 1171	guchi, T. Terai and M. Yamawaki Influence of oxygen on the carbide formation on tungsten, J. Luthin	290–293 (2001)	116
nised walls, V. Philipps, A. Huber, H.G. Esser, A. Pospieszczyk, B. Schweer, J. von Seggern, W. Biel, J. Rapp and U. Samm	290–293 (2001) 1190	and Ch. Linsmeier  Energy distributions of CD <sub>4</sub> and CD <sub>3</sub> chemically released from graphite by D <sup>+</sup> and D <sup>0</sup> /Ne <sup>+</sup> impact, E.	290–293 (2001)	
Steels, Austenitic Conditionings for plasma facing walls of large helical device, T. Hino, T.		Vietzke Implantation, erosion, and retention of tungsten in carbon, R.A. Zuhr, J. Roth, W. Eckstein, U. von	290–293 (2001)	158
Ohuchi, M. Hashiba, Y. Yamauchi, Y. Hirohata, N. Inoue, A. Sagara, N. Noda and O. Motojima	290–293 (2001) 1176	Toussaint and J. Luthin Chemical erosion of doped graphites for fusion devices, C. García-Ro-	290–293 (2001)	
Steels, Ferritic  The effect of divertor tile material on radiation profiles in LHD, B.J. Peterson, S. Masuzaki, R. Sakamoto, K. Sato, S. Inagaki, A. Sagara, S. Ohdachi, Y. Nakamura, N. Noda, Y. Xu, J.E. Rice, N.		sales and M. Balden  Experimental study of lithium target under high power load, B.I. Khripunov, V.B. Petrov, V.V. Shapkin, A.S. Pleshakov, A.S. Rupyshev, N.V. Antonov, A.M. Litnovsky, P.V. Romanov, Yu.S. Shpansky, V.A. Eytikhin, I.E. Lyublinsky and	290–293 (2001)	1/3
N. Noda, Y. Xu, J.E. Rice, N. Ashikawa, S. Yamamoto, M. Takechi, K. Toi, S. Morita, M. Goto, K. Narihara, N. Inoue, Y. Takeiri, M. Sato, M. Osakabe, K. Tanaka, T. Tokuzawa, S. Sakakibara, M. Shoji, K. Kawahata, O. Kaneko, N. Ohyabu, H. Yamada, A. Komori, K. Yamazaki, S. Sudo and		V.A. Evtikhin, I.E. Lyublinsky and A.V. Vertkov Simulation calculations of mutual contamination between tungsten and carbon and its impact on plasma surface interactions, K. Ohya, R. Kawakami, T. Tanabe, M. Wada, T. Ohgo, V. Philipps, A. Pospieszczyk, A. Huber, M. Rubel,	290–293 (2001)	201
O. Motojima	290–293 (2001) 930	G. Sergienko and N. Noda	290–293 (2001)	303

Some problems arising due to plasma—surface interaction for operation of the in-vessel mirrors in a fusion reactor, V.S. Voitsenya, A.F. Bardamid, V.N. Bondarenko, W. Jacob, V.G. Konovalov, S. Masuzaki, O. Motojima, D.V. Orlinskij, V.L. Poperenko, I.V. Ryzhkov, A. Sagara, A.F. Shtan,		V. Philipps, C.H. Skinner and D.G. Whyte  Assessment of erosion and tritium codeposition in ITER-FEAT, G. Federici, J.N. Brooks, D.P. Coster, G. Janeschitz, A. Kukuskhin, A. Loarte, H.D. Pacher, J. Stober and C.H. Wu  Simulation calculations of mutual	290–293 (2001) 255 290–293 (2001) 260
S.I. Solodovchenko and M.V. Vinnichenko In situ measurement of hydrogen retention in JET carbon tiles, D.D.R. Summers, M.N.A. Beurskens, J.P. Coad, G. Counsell, W. Fundamenski, G.F. Matthews and M.F.	290–293 (2001) 336	contamination between tungsten and carbon and its impact on plasma surface interactions, K. Ohya, R. Kawakami, T. Tanabe, M. Wada, T. Ohgo, V. Philipps, A. Pospieszczyk, A. Huber, M. Rubel, G. Sergienko and N. Noda	290–293 (2001) 303
Stamp Influence of hydrogen surface coverage on atomic particle reflection, I.	290–293 (2001) 496	Interactions between liquid-wall vapor and edge plasmas, T.D. Rognlien and M.E. Rensink	290–293 (2001) 312
Takagi, Y. Koga, H. Fujita and K. Higashi Study of brittle destruction and erosion mechanisms of carbon-based	290–293 (2001) 501	Investigation of carbon transport in the scrape-off layer of TEXTOR- 94, P. Wienhold, H.G. Esser, D. Hildebrandt, A. Kirschner, M.	
materials during plasma in- stabilities, T. Burtseva, A. Hassa- nein, I. Ovchinnikov and V. Titov	290–293 (2001) 1059	Mayer, V. Philipps and M. Rubel Hydrogen molecules in the divertor of ASDEX Upgrade, U. Fantz, D.	290–293 (2001) 362
Macroscopic erosion of plasma facing and nearby components during plasma instabilities: the droplet shielding phenomenon, A. Hassa- nein and I. Konkashbaev	290–293 (2001) 1074	Reiter, B. Heger and D. Coster Reversal of in-out asymmetry of the particle-recycling associated with X-point MARFE and plasma de- tachment, A. Hatayama, H. Sega-	290–293 (2001) 367
Experimental study of radiation power flux on the target surface during high heat plasma irradiation, V.N. Litunovsky, I.B. Ovchinnikov and V.A. Titov	290–293 (2001) 1112	wa, N. Komatsu, R. Schneider, D.P. Coster, N. Hayashi, S. Sakurai and N. Asakura  Modeling of wall recycling effects on the global particle balance in	290–293 (2001) 407
Theory and Modelling Attenuation of secondary electron		magnetic fusion devices, Y. Hiro- oka, S. Masuzaki, H. Suzuki, T. Kenmotsu and T. Kawamura	290–293 (2001) 423
emission from divertor plates due to magnetic field inclination, Yu. Igitkhanov and G. Janeschitz	290–293 (2001) 99	Origins and spatial distributions of core fueling in the DIII-D tokamak, L.W. Owen, R.J. Colchin, R.	250 250 (2001) 1.20
Carbon erosion mechanisms in toka- mak divertor materials: insight from molecular dynamics simula- tions, E. Salonen, K. Nordlund, J.		Maingi, M.E. Fenstermacher, T.N. Carlstrom and R.J. Groebner Interpretation of SOL flows and target asymmetries in JET using	290–293 (2001) 464
Keinonen and C.H. Wu Erosion/redeposition analysis of li- thium-based liquid surface diver-	290–293 (2001) 144	EDGE2D code calculations, A.V. Chankin, G. Corrigan, S.K. Erents, G.F. Matthews, J. Spence	200 202 (2001) 518
tors, J.N. Brooks, T.D. Rognlien, D.N. Ruzic and J.P. Allain  Modelling of erosion and deposition at limiter surfaces and divertor target	290–293 (2001) 185	and P.C. Stangeby W7-X edge modelling with the 3D SOL fluid code BoRiS, M. Borchardt, J. Riemann, R. Schneider and	290–293 (2001) 518
plates, A. Kirschner, A. Huber, V. Philipps, A. Pospieszczyk, P. Wienhold and J. Winter  Towards an improved understanding	290–293 (2001) 238	X. Bonnin Study of the relation between density and temperature fall-off lengths in a detached divertor plasma, K.	290–293 (2001) 546
of the relationship between plasma edge and materials issues in a next- step fusion device, G.F. Counsell, J.P. Coad, G. Federici, K. Krieger,		Borrass Extension of the B2 code towards the plasma core for a self-consistent simulation of ASDEX upgrade	290–293 (2001) 551

scenarios, H. Bürbaumer, R. Neu, R. Schneider, D. Coster, J. Stober, F. Aumayr and H.P. Winter Analysis of SOL behaviour in JET MkIIGB using an advanced onion-skin solver (OSM2), W. Fundamenski, S.K. Erents, G.F. Matthews, A.V. Chankin, V. Riccardo, P.C. Stangeby and J.D.	290–293 (2001) 5'	an oblique magnetic fie Sharma and H. Ramachano  Self-consistent description of t and boundary plasma in th field ignition experiment, R kiewicz and R. Zagórski  Particle simulation of detached pl the presence of diffusive part and radiative energy loss, T.	dran 290–293 (2001) 725 he core he high- t. Stan- 290–293 (2001) 738 lasma in icle loss
Elder Calculation of 2D profiles for the plasma and electric field in the boundary layer of the TEXTOR-94 Tokamak, H. Gerhauser, R. Zagórski, H.A. Claaßen and M.	290–293 (2001) 59	ka, M. Hosokawa and K. Sh Comparison of Langmuir pro Thomson scattering measur in DIII-D, J.G. Watkins, I geby, J.A. Boedo, T.N. Car	imizu 290–293 (2001) 753 be and rements P. Stan- elstrom,
Lehnen On the validity of collisional–radiative models, P.T. Greenland Effect of limiter recycling on measured poloidal impurity emission profiles	290–293 (2001) 60 290–293 (2001) 60	Modeling of carbon transport divertor and SOL of DIII-D high performance plasma tion, W.P. West, G.D. Port	290–293 (2001) 778 in the during opera- er, T.E.
in Tore Supra, J. Hogan, C. De Michelis, P. Monier-Garbet, M. Becoulet, C. Bush, Ph. Ghendrih, R. Guirlet, W. Hess, M. Mattioli and J.C. Vallet ASDEX-Upgrade edge transport scal-	290–293 (2001) 62	Evans, P. Stangeby, N.H. I M.E. Fenstermacher, R.C T.D. Rognlien, M.R. Wad Whyte and N.S. Wolf Numerical simulation of hy molecular dissociation and	2. Isler, e, D.G. 290–293 (2001) 783 vdrogen
ings from the two-dimensional in- terpretative code B2.5-I, JW. Kim, D.P. Coster, J. Neuhauser, R. Schneider and ASDEX Up- grade Team	290–293 (2001) 64	fects to Hα profiles in lo perature plasmas, B. Xi Kado, K. Kobayashi and naka	w tem- iao, S. S. Ta- 290–293 (2001) 793
Explorative studies for the development of fast He beam plasma diagnostics, S. Menhart, M. Proschek, HD. Falter, H. Anderson, H. Summers, A. Staebler, P. Franzen, H. Meister,	23 23 (233)	geometry effects, A. Loarte Electric fields and currents in an divertor configuration, X. R. Schneider, D. Coster, zhansky and S. Voskoboyn	290–293 (2001) 805 n island Bonnin, V. Ro-
J. Schweinzer, T.T.C. Jones, S. Cox, N. Hawkes, F. Aumayr and H.P. Winter Island divertor in a helical-axis helio-	290–293 (2001) 63	B2-EIRENE modelling of H pression and enrichment	e com- , D.P. Ullrich
tron device (Heliotron J), T. Mizuuchi, M. Nakasuga, F. Sano, Y. Nakamura, K. Nagasaki, H. Okada, K. Kondo and T. Obiki Particle flows in pumped DIII-D dis-	290–293 (2001) 63	Tore Supra divertor screening ciency during density reging periments, C. Grisolia	ng effi- me ex- , Ph. arer, P.
charges, G.D. Porter, T.D. Rogn- lien, M.E. Rensink, N.S. Wolf and W.P. West Simulation of power and particle flows	290–293 (2001) 69	Costanzo and J.Y. Pascal Critical issues in divertor optin for ITER–FEAT, A.S. Kuk G. Janeschitz, A. Loarte, H	290–293 (2001) 863 nisation ushkin, D. Pa-
in the NSTX edge plasma, M.E. Rensink, H. Kugel, R. Maingi, F. Paoletti, G.D. Porter, T.D. Rogn- lien, S. Sabbagh and X. Xu Modeling of tokamak edge plasma for	290–293 (2001) 70	Duval, A. Loarte, JM.	290–293 (2001) 887 detach- s, B.P. Moret,
discharges with neutral beam injection, V. Rozhansky, S. Voskoboynikov, E. Kovaltsova, D. Coster and R. Schneider  Kinetic simulation of a source dominated plasma–wall interaction in	290–293 (2001) 7	J.A. Boedo, D. Coster, I. F Horacek, A.S. Kukushkin, ter, J. Rommers and TCV  Helium compression analysis a DEX Upgrade with fluid netic codes, D. Reise	D. Rei- Team 290–293 (2001) 940 for AS- and ki-

Schneider, D. Coster, W. Ullrich and H.S. Bosch Modeling of Alcator C-Mod divertor baffling experiments, D.P. Stotler, C.S. Pitcher, C.J. Boswell, T.K. Chung, B. LaBombard, B. Lip- schultz, J.L. Terry and R.J. Kanz-	290–293 (2001) 953	loads, A. Makhankov, V. Bar- abash, I. Mazul and D. Youchison Vertical target and FW erosion during off-normal events and impurity production and transport during ELMs typical for ITER-FEAT, H. Würz, S. Pestchanyi, B. Bazylev, I.	290–293 (2001) 1117
leiter Characterisation of the separatrix po-	290–293 (2001) 967	Landman and F. Kappler	290–293 (2001) 1138
sition in the ergodic divertor discharges of the Tore Supra tokamak, M. Zabiégo, Ph. Ghendrih, M. Bécoulet, L. Costanzo, C.	290–293 (2001) 985	Thermodynamic Properties  Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraß	290–293 (2001) 25
De Michelis, C. Friant and J. Gunn Non-axisymmetric perturbation of the plasma surface in RFX: analysis of magnetic data versus CCD images of plasma-wall interaction, P. Zanca, D. Bettella, S. Martini and	290–293 (2001) 983	Thermophysical Properties  Operation of TEXTOR-94 with tungsten poloidal main limiters, A. Pospieszczyk, T. Tanabe, V. Philipps, G. Sergienko, T. Ohgo, K.	
M. Valisa Self-shadowing, gaps and leading edges on Tore Supra's inner first	290–293 (2001) 990	Kondo, M. Wada, M. Rubel, W. Biel, A. Huber, A. Kirschner, J. Rapp and N. Noda	290–293 (2001) 947
wall, R. Mitteau, Ph. Chappuis, Ph. Ghendrih, A. Grosman, D. Guilhem, J. Gunn, J. Hogan, M. Lipa, G. Martin, J. Schlosser and		<b>Titanium, Titanium Alloys and Compoun</b> Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P.	ds
E. Tsitrone  Macroscopic erosion of plasma facing and nearby components during plasma instabilities: the droplet shielding phenomenon, A. Hassa-	290–293 (2001) 1036	Goldstraß Chemical erosion of carbon doped with different fine-grain carbides, M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J.	290–293 (2001) 25
nein and I. Konkashbaev Heat and particle fluxes from colli-	290–293 (2001) 1074	Etxeberria	290–293 (2001) 52
sionless scrape-off-layer during to- kamak plasma disruptions, A. Hassanein, I. Konkashbaev and L. Nikandrov	290–293 (2001) 1079	Tritium and Tritides  Tritium retention in neutron-irradiated low-Z materials for use as plasma facing materials, F. Scaffi-	
Cloud drifts over eroding surfaces in magnetic field configurations with three field components, P. Lalousis, R. Schneider and L.L. Lengyel	290–293 (2001) 1084	di-Argentina, C. Sand and C.H. Wu  Assessment of erosion and tritium codeposition in ITER-FEAT, G. Federici, J.N. Brooks, D.P. Coster,	290–293 (2001) 211
Combined sheath and thermal analysis of overheated surfaces in fusion devices, D. Naujoks and J.N. Brooks	290–293 (2001) 1123	G. Janeschitz, A. Kukuskhin, A. Loarte, H.D. Pacher, J. Stober and C.H. Wu Comparison of hydrogen and tritium	290–293 (2001) 260
Thermal Shock Solid-state reaction between tungsten and hydrogen-containing carbon film at elevated temperature, K. Ashida, K. Fujino, T. Okabe,		uptake and retention in JET, D.L. Hillis, J. Hogan, J.P. Coad, G. Duxbury, M. Groth, H.Y. Guo, L. Horton, G. Matthews, A. Meigs, P. Morgan, M. Stamp and M. von Hellermann	290–293 (2001) 418
M. Matsuyama and K. Wata- nabe  Material degradation and particle formation under transient thermal loads, J. Linke, M. Akiba, R. Duwe, A. Lodato, HJ. Penkalla,	290–293 (2001) 42	Nondestructive measurement of surface tritium by β-ray induced X-ray spectrometry (BIXS), M. Matsuyama, T. Tanabe, N. Noda, V. Philipps, K.H. Finken and K. Watanabe	290–293 (2001) 437
M. Rödig and K. Schöpflin Performance of the different tungsten grades under fusion relevant power	290–293 (2001) 1102	Tritium detection in plasma facing component by imaging plate technique, K. Miyasaka, T. Tanabe, G.	

<ul> <li>Mank, K.H. Finken, V. Philipps,</li> <li>D.S. Walsh, K. Nishizawa and T.</li> <li>Saze</li> <li>A study of tritium decontamination of deposits by UV irradiation, Y.</li> <li>Oya, W. Shu, S. O'hira, T. Hayashi, H. Nakamura, T. Sakai, T.</li> </ul>	290–293 (2001)	448	Plasma operation with tungsten tiles at the central column of ASDEX Upgrade, R. Neu, V. Rohde, A. Geier, K. Krieger, H. Maier, D. Bolshukhin, A. Kallenbach, R. Pugno, K. Schmidtmann, M. Zar- rabian and ASDEX Upgrade		
Tadokoro, K. Kobayashi, T. Suzuki and M. Nishi Tritium decontamination of TFTR	290–293 (2001)	469	Team Influence of oxygen on the carbide formation on tungsten, J. Luthin	290–293 (2001)	206
carbon tiles employing ultra violet light, W.M. Shu, S. Ohira, C.A. Gentile, Y. Oya, H. Nakamura, T. Hayashi, Y. Iwai, Y. Kawamura,			and Ch. Linsmeier  Effect of helium irradiation on trapping and thermal release of deuterium implanted in tungsten, S.	290–293 (2001)	
S. Konishi, M.F. Nishi and K.M. Young Studies of tritiated co-deposited layers	290–293 (2001)	482	Nagata and K. Takahiro Influence of diffusion on W sputtering by carbon, K. Schmid, J. Roth and	290–293 (2001)	135
in TFTR, C.H. Skinner, C.A. Gentile, G. Ascione, A. Carpe, R.A. Causey, T. Hayashi, J. Hogan, S. Langish, M. Nishi, W.M.			W. Eckstein Implantation, erosion, and retention of tungsten in carbon, R.A. Zuhr, J. Roth, W. Eckstein, U. von	290–293 (2001)	
Shu, W.R. Wampler and K.M. Young Behavior of tungsten exposed to high fluences of low energy hydrogen	290–293 (2001)	486	Toussaint and J. Luthin  Measurements of erosion mechanisms from solid and liquid materials in PISCES-B, R.P. Doerner, M.J.	290–293 (2001)	162
isotopes, T. Venhaus, R. Causey, R. Doerner and T. Abeln Radioactive dust levitation and its con- sequences for fusion devices, J. Win-	290–293 (2001)	505	Baldwin, R.W. Conn, A.A. Grossman, S.C. Luckhardt, R. Seraydarian, G.R. Tynan and D.G. Whyte	290–293 (2001)	166
ter, V.E. Fortov and A.P. Nefedov	290–293 (2001)	509	Comparison of impurity production, recycling and power deposition on	250 253 (2001)	100
Tungsten, Tungsten Alloys and Compour	ds		carbon and tungsten limiters in		
Tungsten, Tungsten Alloys and Compour Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraß Deuterium retention in W, W1%La, C-	290–293 (2001)	25	carbon and tungsten limiters in TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J.		
Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraβ Deuterium retention in W, W1%La, C- coated W and W <sub>2</sub> C, R.A. Anderl, R.J. Pawelko and S.T. Schuetz Solid-state reaction between tungsten		25 38	TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J. von Seggern, G. Sergienko, T. Tanabe and M. Wada Simulation calculations of mutual	290–293 (2001)	276
Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraß  Deuterium retention in W, W1%La, C-coated W and W2C, R.A. Anderl, R.J. Pawelko and S.T. Schuetz  Solid-state reaction between tungsten and hydrogen-containing carbon film at elevated temperature, K. Ashida, K. Fujino, T. Okabe, M. Matsuyama and K. Watanabe  Chemical erosion of carbon doped	290–293 (2001)		TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J. von Seggern, G. Sergienko, T. Tanabe and M. Wada  Simulation calculations of mutual contamination between tungsten and carbon and its impact on plasma surface interactions, K. Ohya, R. Kawakami, T. Tanabe, M. Wada, T. Ohgo, V. Philipps, A.	290–293 (2001)	276
Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraß  Deuterium retention in W, W1%La, C-coated W and W2C, R.A. Anderl, R.J. Pawelko and S.T. Schuetz  Solid-state reaction between tungsten and hydrogen-containing carbon film at elevated temperature, K. Ashida, K. Fujino, T. Okabe, M. Matsuyama and K. Watanabe	290–293 (2001) 290–293 (2001)	38	TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J. von Seggern, G. Sergienko, T. Tanabe and M. Wada  Simulation calculations of mutual contamination between tungsten and carbon and its impact on plasma surface interactions, K. Ohya, R. Kawakami, T. Tanabe,	290–293 (2001) 290–293 (2001)	
Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraß  Deuterium retention in W, W1%La, C-coated W and W2C, R.A. Anderl, R.J. Pawelko and S.T. Schuetz  Solid-state reaction between tungsten and hydrogen-containing carbon film at elevated temperature, K. Ashida, K. Fujino, T. Okabe, M. Matsuyama and K. Watanabe  Chemical erosion of carbon doped with different fine-grain carbides, M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J. Etxeberria  Deuterium retention in single crystal tungsten, A.A. Haasz, M. Poon, R.G. Macaulay-Newcombe and	290–293 (2001) 290–293 (2001) 290–293 (2001) 290–293 (2001)	38 42 52	TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J. von Seggern, G. Sergienko, T. Tanabe and M. Wada  Simulation calculations of mutual contamination between tungsten and carbon and its impact on plasma surface interactions, K. Ohya, R. Kawakami, T. Tanabe, M. Wada, T. Ohgo, V. Philipps, A. Pospieszczyk, A. Huber, M. Rubel, G. Sergienko and N. Noda  Some problems arising due to plasmasurface interaction for operation of the in-vessel mirrors in a fusion reactor, V.S. Voitsenya, A.F. Bardamid, V.N. Bondarenko, W. Ja-	` '	
Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraß  Deuterium retention in W, W1%La, C-coated W and W2C, R.A. Anderl, R.J. Pawelko and S.T. Schuetz  Solid-state reaction between tungsten and hydrogen-containing carbon film at elevated temperature, K. Ashida, K. Fujino, T. Okabe, M. Matsuyama and K. Watanabe  Chemical erosion of carbon doped with different fine-grain carbides, M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J. Etxeberria  Deuterium retention in single crystal tungsten, A.A. Haasz, M. Poon, R.G. Macaulay-Newcombe and J.W. Davis  Mixed-material coating formation on tungsten surfaces during plasma exposure in TEXTOR-94, D. Hil-	290–293 (2001) 290–293 (2001) 290–293 (2001)	38	TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J. von Seggern, G. Sergienko, T. Tanabe and M. Wada  Simulation calculations of mutual contamination between tungsten and carbon and its impact on plasma surface interactions, K. Ohya, R. Kawakami, T. Tanabe, M. Wada, T. Ohgo, V. Philipps, A. Pospieszczyk, A. Huber, M. Rubel, G. Sergienko and N. Noda  Some problems arising due to plasmasurface interaction for operation of the in-vessel mirrors in a fusion reactor, V.S. Voitsenya, A.F. Bardamid, V.N. Bondarenko, W. Jacob, V.G. Konovalov, S. Masuzaki, O. Motojima, D.V. Orlinskij, V.L. Poperenko, I.V. Ryzhkov, A. Sagara, A.F. Shtan,	` '	
Mixed material formation and erosion, Ch. Linsmeier, J. Luthin and P. Goldstraß  Deuterium retention in W, W1%La, C-coated W and W2C, R.A. Anderl, R.J. Pawelko and S.T. Schuetz  Solid-state reaction between tungsten and hydrogen-containing carbon film at elevated temperature, K. Ashida, K. Fujino, T. Okabe, M. Matsuyama and K. Watanabe  Chemical erosion of carbon doped with different fine-grain carbides, M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J. Etxeberria  Deuterium retention in single crystal tungsten, A.A. Haasz, M. Poon, R.G. Macaulay-Newcombe and J.W. Davis  Mixed-material coating formation on tungsten surfaces during plasma	290–293 (2001) 290–293 (2001) 290–293 (2001) 290–293 (2001)	38 42 52	TEXTOR-94, A. Huber, V. Philipps, A. Pospieszczyk, A. Kirschner, M. Lehnen, T. Ohgo, K. Ohya, M. Rubel, B. Schweer, J. von Seggern, G. Sergienko, T. Tanabe and M. Wada Simulation calculations of mutual contamination between tungsten and carbon and its impact on plasma surface interactions, K. Ohya, R. Kawakami, T. Tanabe, M. Wada, T. Ohgo, V. Philipps, A. Pospieszczyk, A. Huber, M. Rubel, G. Sergienko and N. Noda Some problems arising due to plasmasurface interaction for operation of the in-vessel mirrors in a fusion reactor, V.S. Voitsenya, A.F. Bardamid, V.N. Bondarenko, W. Jacob, V.G. Konovalov, S. Masuzaki, O. Motojima, D.V. Orlinskij, V.L. Poperenko, I.V.	` '	303

Isotope effects in thermal release of H and D implanted into WC layers on graphite, T. Horikawa, K. Morita and B. Tsuchiya	290–293 (2001) 428	Strunnikov, V.G. Stolyarova, V.V. Zatekin and A.M. Litnovsky Experimental study of radiation power flux on the target surface during	290–293 (2001) 1069
Role of grain boundaries and carbon deposition in deuterium retention behavior of deuterium plasma ex- posed tungsten, D.A. Komarov, A.V. Markin, S.Yu. Rybakov and		high heat plasma irradiation, V.N. Litunovsky, I.B. Ovchinnikov and V.A. Titov  Performance of the different tungsten grades under fusion relevant power	290–293 (2001) 1112
A.P. Zakharov Behavior of tungsten exposed to high fluences of low energy hydrogen isotopes, T. Venhaus, R. Causey,	290–293 (2001) 433	loads, A. Makhankov, V. Bar- abash, I. Mazul and D. Youchison Characterization and conditioning of SSPX plasma facing surfaces, D.A.	290–293 (2001) 1117
R. Doerner and T. Abeln Particle control in the sustained spheromak physics experiment,	290–293 (2001) 505	Buchenauer, B.E. Mills, R. Wood, S. Woodruff, D.N. Hill, E.B. Hooper, D.F. Cowgill, M.W. Clift	
R.D. Wood, D.N. Hill, E.B. Hooper, D. Buchenauer, H. McLean,		and N.Y. Yang	290–293 (2001) 1165
Z. Wang, S. Woodruff and G. Wurden	290–293 (2001) 513	Vanadium, Vanadium Alloys and Compo Chemical erosion of carbon doped	unds
Heat load on the first wall materials and interaction of emitted neutrals with plasma, K. Kobayashi, S.		with different fine-grain carbides, M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J.	
Kado, B. Xiao and S. Tanaka Local emission and core concentration of tungsten in TEXTOR-94 plas- mas operated with tungsten test	290–293 (2001) 648	Etxeberria  Deuterium retention of V-4Cr-4Ti alloy exposed to the JFT-2M to- kamak environment, Y. Hirohata,	290–293 (2001) 52
and poloidal limiters, M. Wada, T. Ohgo, A. Pospieszczyk, A. Huber, G. Sergienko, T. Tanabe, W. Biel, K. Kondo, K. Ohya, V. Philipps, G. Bertschinger, J. Rapp, B.		T. Oda, T. Hino and S. Sengoku The porous vanadium as a plasma facing material for the fusion devices, A.V. Zhmendak, A. Huber, V.A. Kvitcinskiy, E.V. Mudretskaya,	290–293 (2001) 196
Schweer and N. Noda Operation of TEXTOR-94 with tungsten poloidal main limiters, A.	290–293 (2001) 768	A.V. Nedospasov, V.V. Panechkina, S.N. Pavlov, A. Pospieszczyk, G.V. Sergienko and V.F. Virko	290–293 (2001) 220
Pospieszczyk, T. Tanabe, V. Philipps, G. Sergienko, T. Ohgo, K. Kondo, M. Wada, M. Rubel, W. Biel, A. Huber, A. Kirschner, J.		Wastes A study of tritium decontamination of deposits by UV irradiation, Y.	
Rapp and N. Noda  Material erosion and erosion products under plasma heat loads typical for ITER hard disruptions, V. Sa-	290–293 (2001) 947	Oya, W. Shu, S. O'hira, T. Hayashi, H. Nakamura, T. Sakai, T. Tadokoro, K. Kobayashi, T. Suzuki and M. Nishi	290–293 (2001) 469
fronov, N. Arkhipov, V. Bakhtin, S. Kurkin, F. Scaffidi-Argentina, D. Toporkov, S. Vasenin, H. Würz and A. Zhitlukhin	290–293 (2001) 1052	Tritium decontamination of TFTR carbon tiles employing ultra violet light, W.M. Shu, S. Ohira, C.A. Gentile, Y. Oya, H. Nakamura, T. Hayashi, Y.	
Peculiarity of deuterium ions interac- tion with tungsten surface in the condition imitating combination of	250 255 (2001) 1032	Iwai, Y. Kawamura, S. Konishi, M.F. Nishi and K.M. Young	290–293 (2001) 482
normal operation with plasma dis- ruption in ITER, M.I. Guseva, V.I. Vasiliev, V.M. Gureev, L.S. Da-		Zirconium, Zirconium Alloys and Compo Chemical erosion of carbon doped with different fine-grain carbides,	ounds
nelyan, B.I. Khirpunov, S.N. Korshunov, V.S. Kulikauskas, Yu.V. Martynenko, V.B. Petrov, V.N.		M. Balden, C. García-Rosales, R. Behrisch, J. Roth, P. Paz and J. Etxeberria	290–293 (2001) 52