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LAMS - 55

c.3

COMPARISON OF DATA ON THE SCATTERING CROSS SECTIONS

OF CARBON AND HYDROGEN

Compiled by G. F. Chew

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A graphical comparison is given of British data by Bretscher and Murrell, compiled from BM-62, with the standard data used at Los Alamos, obtained by Williams at Minnesota and recorded in CF-599. The British values for hydrogen scatter somewhat more than the American but are generally in good agreement. William's data on carbon are considerably more detailed than those of Bretscher and Murrell and show maxima not revealed by the latter. No attempt is made here to indicate the probable error of any of the results.

Physics Nuclear Reactions

LOS ALAMOS NATIONAL LABORATORY
3 9338 00339 3773

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NEUTRON SCATTERING CROSS-SECTION FOR HYDROGEN

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o - BRETSCHER and MURRELL

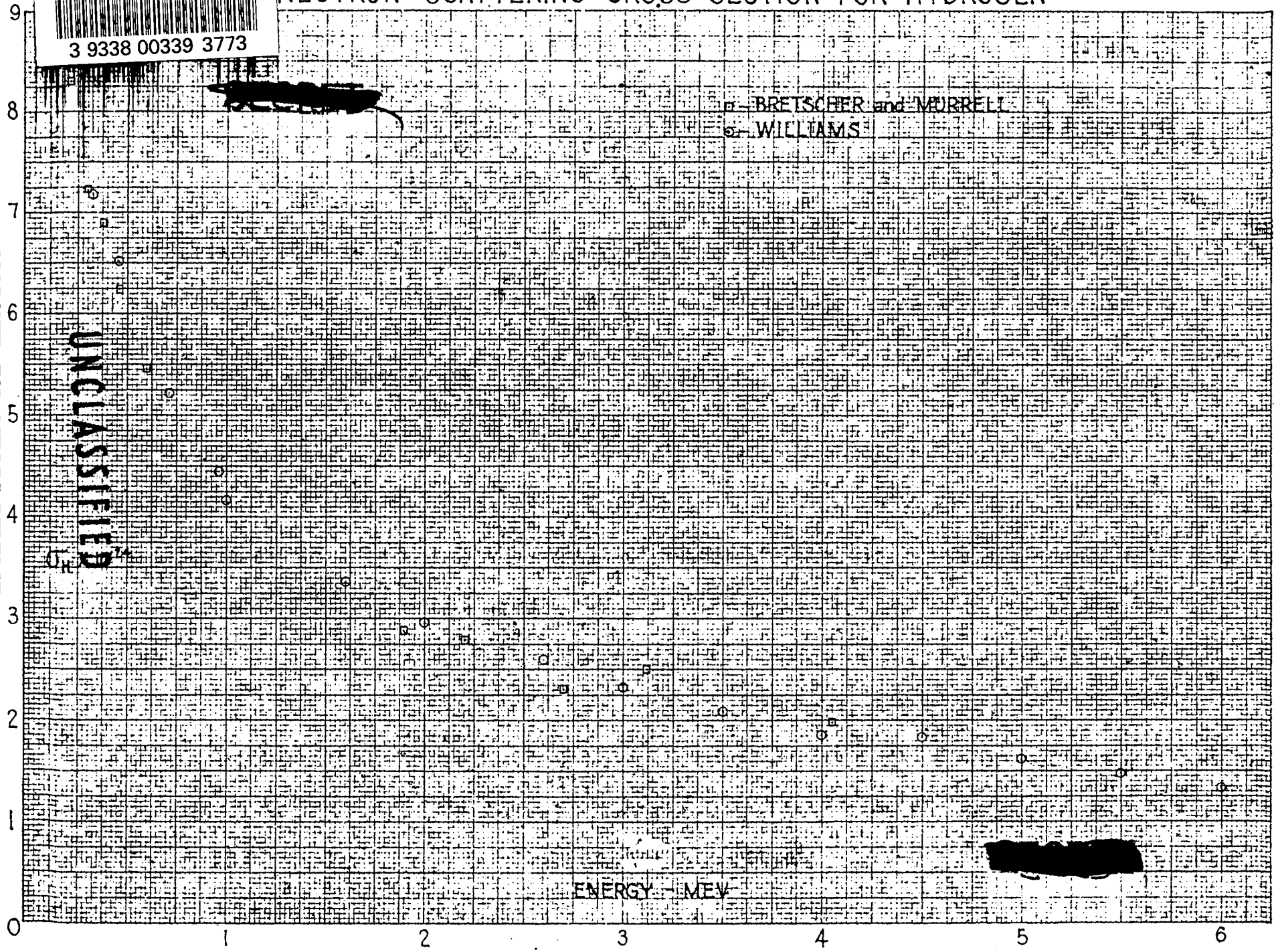
o - WILLIAMS

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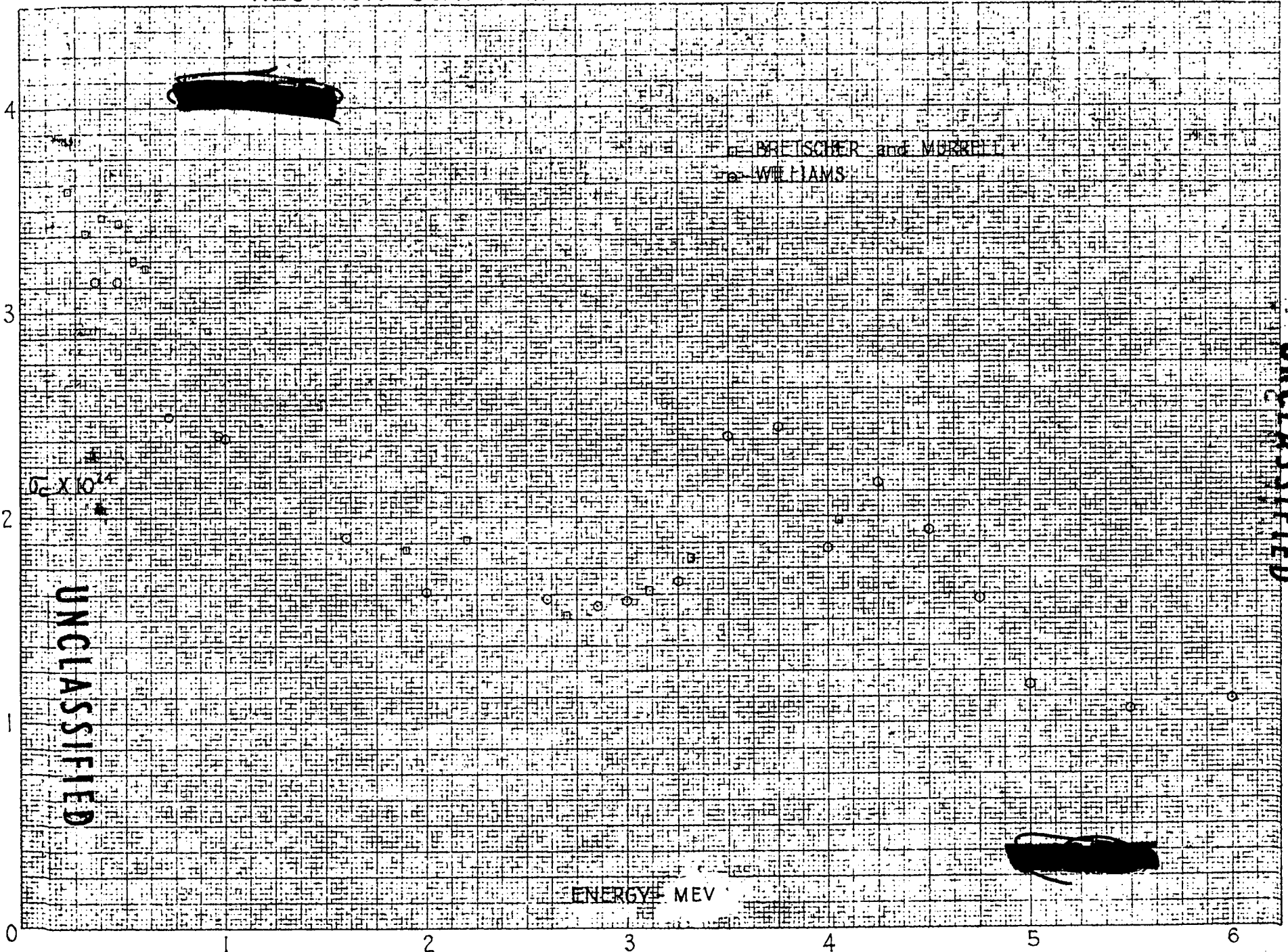
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NEUTRON SCATTERING CROSS-SECTION OF CARBON



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