

**Publisher's Note: Plasmon excitations on a single-wall carbon nanotube by external charges:
Two-dimensional two-fluid hydrodynamic model
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This paper was published online on 6 July 2010 with misplaced images for Figs. 2, 3, and 4. The figures have been corrected online as of 26 August 2010. The figures are incorrect in the printed version of the journal, therefore they are represented below for the benefit of the print readership.

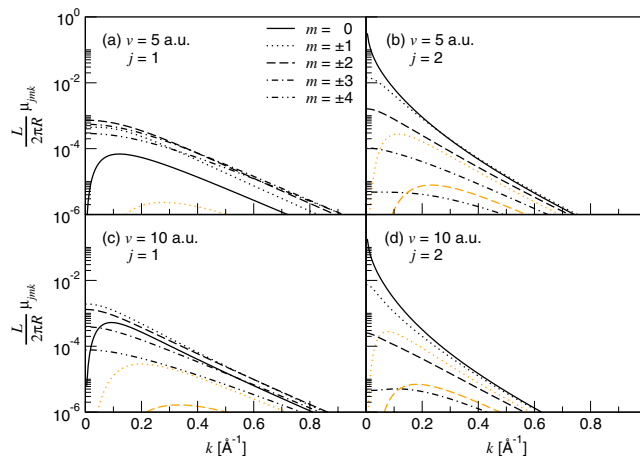


FIG. 2. (Color online) Average number of excited plasmons $\frac{L}{2\pi R} \mu_{jmk}$ as a function of longitudinal momentum k in \AA^{-1} on a SWCNT with $R=7$ \AA for [(a) and (c)] $\sigma+\pi$ modes ($j=1$) and [(b) and (d)] π modes ($j=2$) with angular momenta $|m|=0$ (—), 1 (\cdots), 2 ($- - -$), 3 ($- \cdot -$), and 4 ($- \cdot \cdot -$), shown by black lines when $m \geq 0$ and light gray (orange) lines when $m < 0$, due to a proton with $r_{\min}=10.5$ \AA , incident at angle relative to the SWCNT axis of $\theta=90^\circ$ with speed [(a) and (b)] $v=5$ a.u. and [(c) and (d)] $v=10$ a.u.

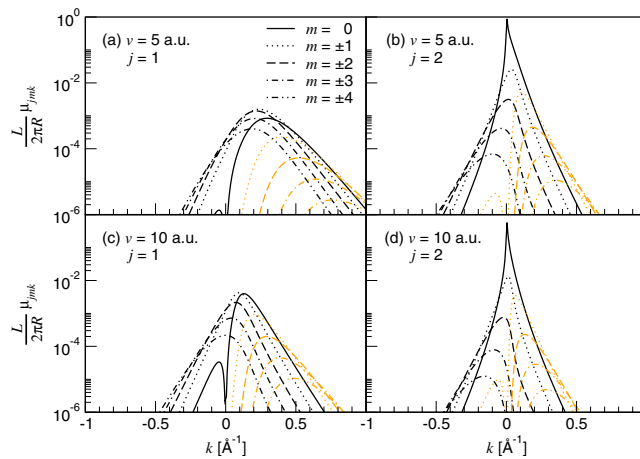


FIG. 3. (Color online) Average number of excited plasmons $\frac{L}{2\pi R} \mu_{jmk}$ as a function of longitudinal momentum k in \AA^{-1} on a SWCNT with $R=7$ \AA for [(a) and (c)] $\sigma+\pi$ modes ($j=1$) and [(b) and (d)] π modes ($j=2$) with angular momenta $|m|=0$ (—), 1 (\cdots), 2 ($- - -$), 3 ($- \cdot -$), and 4 ($- \cdot \cdot -$), shown by black lines when $m \geq 0$ and light gray (orange) lines when $m < 0$, due to a proton with $r_{\min}=10.5$ \AA , incident at angle relative to the SWCNT axis of $\theta=45^\circ$ with speed [(a) and (b)] $v=5$ a.u. and [(c) and (d)] $v=10$ a.u.

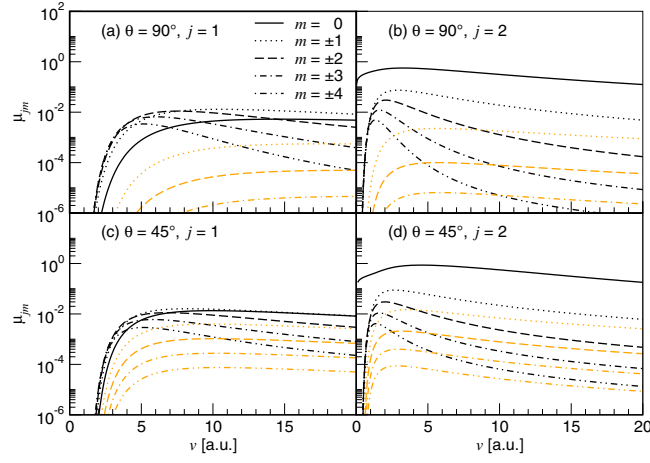


FIG. 4. (Color online) Average number of excited plasmons μ_{jm} , defined in Eq. (41), on a SWCNT with $R=7 \text{ \AA}$ for [(a) and (c)] $\sigma + \pi$ modes ($j=1$) and π modes ($j=2$) with angular momenta $|m|=0$ (—), 1 (\cdots), 2 (---), 3 (- · -), and 4 (- · · -), shown by black lines when $m \geq 0$ and light gray (orange) lines when $m < 0$ as a function of the total speed v in atomic unit of a proton with $r_{\min}=10.5 \text{ \AA}$ at an angle relative to the SWCNT axis of [(a) and (b)] $\theta=90^\circ$ and [(c) and (d)] $\theta=45^\circ$.