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Abstract for an Invited Paper
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Pseudostate Methods for Treating Atomic Fragmentation Processes Induced by Heavy-Particle

Impact

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A method for calculating fully differential cross sections that is able to describe any aspect of coincidence measurements involving heavy projectiles will be presented. The method is based upon impact parameter close coupling with pseudostates. Examples from ionization by antiprotons, protons, C^{6+} , and gold ions will be shown and compared with experiment.