24th Australian Institute of Physics Congress



Contribution ID: 62 Type: Poster

Convergent close-coupling calculations of electrons scattering on HeH+

Tuesday 13 December 2022 18:45 (15 minutes)

The molecular convergent close-coupling (MCCC) method is used to perform calculations of 10-1000 eV electrons scattering on the electronic and vibrational ground state of HeH+. Cross sections are presented for excitation of the n=2-3 singlet and triplet states and ionization.

Author: Prof. FURSA, Dmitry (Curtin University)

Co-authors: Dr SCHNEIDER, Bary (NIST); Prof. BRAY, Igor (Curtin University); Dr SCARLETT, Liam (Curtin

University); Dr ZAMMIT, Mark (LANL)

Presenter: Prof. FURSA, Dmitry (Curtin University)

Session Classification: Poster session

Track Classification: AIP Congress: AIP: Atomic and Molecular Physics