



Contribution ID: 139

Type: **Talk (preferred)**

Coupled-Channel Approach to Proton Scattering on Molecular Hydrogen Using an Effective One-Electron Model

Tuesday 13 December 2022 15:15 (15 minutes)

Total cross sections for all single-electron processes in proton scattering on molecular hydrogen have been calculated within a two-centre coupled-channel approach, providing improved agreement between theory and experiment for this challenging collisional system.

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Session Classification: AIP: Atomic and Molecular Physics

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