



Contribution ID: 341

Type: **Presentation**

Effects of target resonances in Multi-Channel Algebraic Scattering

Low-energy nucleon-nucleus elastic scattering involving particle-unbound states in the target spectrum is developed within the framework of a Multi-Channel Algebraic Scattering theory. The effects on the scattering observables when the particle-emission widths are significantly different from zero are discussed.

Primary author: Prof. KARATAGLIDIS, Steven (University of Johannesburg)

Co-authors: Mr VAN DER KNIJFF, Dirk (University of Melbourne); Prof. SVENNE, Juris (University of Manitoba); Prof. AMOS, Ken (University of Melbourne); Prof. CANTON, Luciano (University of Padova); Dr FRASER, Paul (Universidad Nacional Automata de Mexico)

Presenter: Prof. KARATAGLIDIS, Steven (University of Johannesburg)

Track Classification: Track B - Nuclear, Particle and Radiation Physics