

R-matrix evaluations of (alpha,n)

Thursday, 11 November 2021 16:15 (25 minutes)

A brief overview of the R-matrix evaluation method implemented in EDaf90 that emphasizes the relativistic model parametrization, polarization capabilities, and computational capabilities. We will review existing evaluations for (alpha,n) on material targets n, 1H, 2H, 3H, 3He, 6Li, 7Li, 11B (time permitting) and discuss recent activity on 13C in the 17O system analysis.

Primary authors: PARIS, Mark (LANL/Theoretical Division); Dr HALE, Gerry (LANL/Theoretical Division)

Presenter: PARIS, Mark (LANL/Theoretical Division)

Session Classification: Session 4