Nuclei in the Cosmos - IX



Contribution ID: 14 Type: Oral contribution

3D Hydrodynamical Models of the Core Helium Flash

Friday 30 June 2006 14:00 (20 minutes)

We present fully three dimensional models of the core helium flash in low mass stars. These hydordynamical models show that the simple 1D hydrostatic models are not too misleading! New results, for rotating models, will be reported.

Author: LATTANZIO, John (Monash University)

Co-authors: Dr DEARBORN, David (Lawrence Livermore National Laboratory); Dr DOSSA, Don (Lawrence

Livermore National Laboratory); Dr EGGLETON, Peter (Lawrence Livermore National Laboratory)

Presenter: LATTANZIO, John (Monash University)

Session Classification: 16 Evolution and evidence of nucleosynthesis in stars: AGBs

Track Classification: Element production, stellar evolution and stellar explosions