



Contribution ID: 154

Type: Oral

Shell model calculation on even-even Germanium isotopes

Monday, 31 August 2015 15:30 (15 minutes)

Energy levels and the $B(E2)$ values of even-even $70-76\text{Ge}$ isotopes have been calculated through shell model calculations using the shell model code OXBASH for windows, employing the SLG model space and SLGM interaction. The energy level calculations were in good agreement with experimental data. The $B(E2)$ values and β_2 , the quadrupole deformation parameter, results were consistent with the available experimental data.

Primary author: ATTARZADEH, Amin

Co-author: Prof. MOHAMMADI, Saeed (Department of Physics, PNUM university, Mashhad)

Presenter: ATTARZADEH, Amin

Session Classification: Nuclear Structure, Spectroscopy, and Dynamics I