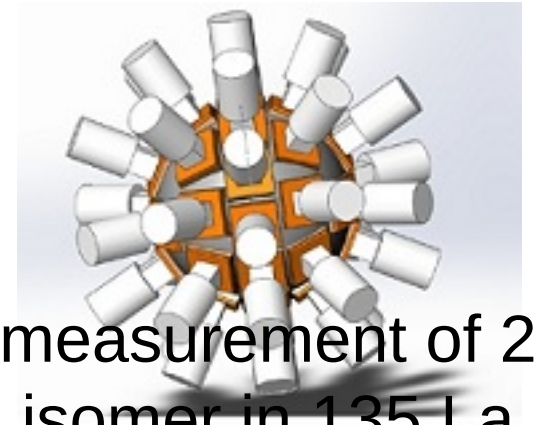
Frontiers in Gamma Ray Spectroscopy FIG18

Contribution ID : 92



g-factor measurement of 2738 keV isomer in 135 La

Content :

The g-factor of an isomeric state at 2738 keV in ^{135}La has been measured by time differential angular distribution technique. This isomer was populated in the reaction ^{11}B(^{128}Te,4n)^{135}La at beam energy of 52 MeV. The half-life of the state, 25.3(3)ns, has been remeasured. The measured value of the g-factor, -0.050(5), has been compared with the model calculations to firmly assign the configuration of isomeric state.

Primary authors : Mr. LASKAR, Md. Sazedur (Tata Institute of Fundamental Research)

Co-authors : Dr. SAHA, Sudipta (GSI helmholtzzentrum für schwerionenforschung) ; Prof. PALIT, R. (Tata Institute of Fundamental Research) ; Prof. MISHRA, S.N. (DNAP, TIFR) ; Ms. BISWAS, S. (GANIL) ; Dr. SINGH, Purnima (IRFU, CEA, Université Paris-Saclay, France) ; Mr. BABRA, Farhan (Tata Institute of Fundamental Research)

Presenter : Mr. LASKAR, Md. Sazedur (Tata Institute of Fundamental Research)

Session classification : --not yet classified--

Track classification : --not yet classified--

Type : Poster