

## <sup>61</sup>Ga

In “Beta-delayed proton decay of <sup>61</sup>Ge” Hotchkis et al. reported the observation of a proton-unbound state of <sup>61</sup>Ga in 1987 ([1987Ho01](#)). A <sup>24</sup>Mg beam of 77–120 MeV energy from the Berkeley 88-in. cyclotron bombarded a calcium target. Beta-delayed protons were measured with a silicon telescope in connection with a pulsed beam technique and a helium-jet transport system. “The 3.11 MeV peak is attributed to the decay of <sup>61</sup>Ge, since its yield is a maximum at 90 MeV, as expected from the ALICE calculations. This peak is identified as the transition from the isobaric analog state in <sup>61</sup>Ga, fed by the superallowed beta decay of <sup>61</sup>Ge, to the ground state of <sup>60</sup>Zn.” The ground state of <sup>61</sup>Ga was observed four years later ([1991Mo10](#)).

Adapted from reference ([2012Gr19](#))

- [1987Ho01](#) M. A. C. Hotchkis, J. E. Reiff, D. J. Vieira, F. Blonnigen *et al.*, Phys. Rev. C **35**, 315 (1987).  
[1991Mo10](#) M. F. Mohar, D. Bazin, W. Benenson, D. J. Morrissey *et al.*, Phys. Rev. Lett. **66**, 1571 (1991).  
[2012Gr19](#) J. L. Gross and M. Thoennessen, At. Data Nucl. Data Tables **98**, 983 (2012).

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