

¹³Li

An unbound state of ¹³Li was observed for the first time by Aksyutina et al. at GSI and presented in the 2008 paper “Lithium isotopes beyond the drip line” (2008Ak03). ¹³Li was produced in knockout reactions from a ¹⁴Be secondary beam on a liquid hydrogen target. The 304 MeV/u ¹⁴Be beam was produced with the heavy-ion synchrotron SIS and selected with the fragment separator FRS. ¹³Li was identified with the ALADIN-LAND setup and their relative-energy spectrum was measured. “The ¹¹Li + 2n data give first indication for the existence of a ¹³Li resonance at 1.47(31) MeV.”

Adapted from reference (2012Th01)

2008Ak03 Yu. Aksyutina, H. T. Johansson, P. Adrich, F. Aksouh *et al.*, Phys. Lett. B **666**, 430 (2008).

2012Th01 M. Thoennessen, At. Data Nucl. Data Tables **98**, 43 (2012).

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