^{15}N(^{18}O,2p) 1981Pa11

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh	NDS 184, 29 (2022)	24-Jun-2022

1981Pa11: E=35 MeV ^{18}O beam was produced from the MP tandem accelerator in Strasbourg. Target was 200 μg/cm^2 hydrocarbon $C_3H_6N_6$ enriched to 98% in ^{15}N. Reaction products were detected using a ΔE-E silicon telescope. Measured proton spectra. Deduced levels. 2p energy spectrum was used for the determination of tentatively assigned states in ^{31}Al. The spectrum is not clean, ^{28}Mg is also present.

Measured mass excess=−15.09 MeV *9* (1981Pa11).

^{31}Al Levels

E(level)†	Jπ	Comments
0	5/2(+)	Jπ: from the Adopted Levels.
2.09×10^3 *11*		
3.70×10^3 *10*		Additional information 1.
4320 *90*		
≈4900		

† From 1981Pa11.