1 H(21 N, 19 N γ), 208 Pb(21 N, 19 N γ) 2010El05

History							
Туре	Author	Citation	Literature Cutoff Date				
Full Evaluation	G. C. Sheu, J. H. Kelley	ENSDF	06-Nov-2018				

2010El05: XUNDL dataset compiled by McMaster, 2010.

A beam of \approx 50 MeV/nucleon ²¹N ions, from the RIKEN/RIPS facility, impinged on either a hydrogen target or a ²⁰⁸Pb target (thickness not given). Scattered particles were detected near θ <6.5° and identified based on total energy and time-of-flight measurements using an array of plastic scintillators, in addition an array of 160 NaI(Tl) crystals from the DALI2 array detected correlated γ rays. The populated levels and a partial level scheme were deduced.

Measured E γ , I γ , Doppler-corrected γ spectra.

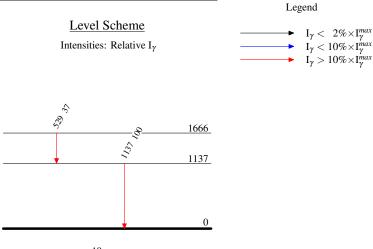
The level scheme is based on that proposed in (2008So09).

E(level)	
0	
1137 26	í
1666 33	•

γ	(19	N

Eγ	I_{γ}	E_i (level)	E_f
529 21	37	1666	1137
1137 26	100	1137	0

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 ${}^{19}_{7}\mathrm{N}_{12}$