^{9}Be(^{24}Si,^{23}Al) 2008Ga10

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia[#], A. Chakraborty[##]	NDS 171, 1 (2021)	1-Jun-2020

Based on XUNDL: Compiled by S. Geraedts and B. Singh (McMaster): Apr 17, 2008.
One proton knockout reaction.
E(^{24}Si)=85.3 MeV/nucleon beam produced in reaction ^{9}Be(^{36}Ar,X) at E=150 MeV/nucleon. A1900 fragment separator. Experiment performed at NSCL, MSU facility. Measured time-of-flight, ΔE using two plastic scintillators.

^{23}Al Levels

E(level)	J^{π}	L	Comments
0.0	$5/2^{+}$	2	L: Determined from comparison of the measured ^{23}Al residue longitudinal momentum distribution to the shape calculated for the removal of a proton from the $1d_{5/2}$ orbit. σ=67.3 mb *35*. Configuration=$d_{5/2}$.