^{9}Be(^{24}Si,^{23}Si) 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 neutron 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. Segmented Germanium Array and S800 spectrograph. Measured time-of-flight, ΔE using two plastic scintillators.
No γ rays were observed.

^{23}Si Levels

E(level)	J^π	L	Comments
0.0	$5/2^+$	2	J^π: L=2 yields $3/2^+$,$5/2^+$. $5/2^+$ from shell model (1990Br26). Configuration=$d_{5/2}$. σ=9.8 mb *10*.