^{9}Be(^{58}Ni,X) 2015Sh16

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Wang Jimin and Huang Xiaolong	NDS 144, 1 (2017)	1-Mar-2016

2015Sh16: E=68.3 MeV/nucleon ^{58}Ni beam of 30 enA intensity was provided by the Radioactive Ion Beam Line in Lanzhou (RIBLL) of the Heavy Ion Research Facility in Lanzhou (HIRFL). Target was natural beryllium of 503 μm thickness. Fragments were identified according to ΔE-tof with tof information measured by two plastic scintillators and energy measured by a 140 μm double-sided silicon strip detector (DSSSD), and implanted into a 500 μm DSSSD. Measured β decay curves. Deduced $T_{1/2}$. Comparison with available data.

^{51}Fe Levels

E(level)	J^{π}	$T_{1/2}$	Comments
0.0	$5/2^{-}$	308 ms *5*	J^{π}: from Adopted Levels. $T_{1/2}$: from measured β decay curve in 2015Sh16.