

$^9\text{Be}(^{62}\text{Fe}, ^{62}\text{Fe}'\gamma)$ 2010Ga06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alan L. Nichols, Balraj Singh, Jagdish K. Tuli		NDS 113, 973 (2012)	15-Apr-2012

Inelastic scattering:

Secondary beam produced in the reaction $^9\text{Be}(^{76}\text{Ge}, \text{X})$ with a 130 MeV/nucleon beam provided by the NSCL at MSU.

Measurements based on A1900 fragment separator and S800 spectrograph. $E(^{62}\text{Fe})=73.0$ MeV/nucleon. Measured E_γ , I_γ , $(^{62}\text{Fe})\gamma$ coin using SeGA array of 32 HPGe detectors. Comparison made with shell-model calculations.

 ^{62}Fe Levels

E(level)	J^π	Comments
0	0^+	
876 6	2^+	J^π : From systematics of even-even nuclides.

 $\gamma(^{62}\text{Fe})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
876 6	876	2^+	0	0^+

 $^9\text{Be}(^{62}\text{Fe}, ^{62}\text{Fe}'\gamma)$ 2010Ga06Level Scheme