

$^9\text{Be}(^{30}\text{S},\text{X}\gamma)$ 2006Yo05

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 114, 1189 (2013)	1-Apr-2013

Others: [2007Bu36](#), [2007Bu15](#).

[2006Yo05](#): $^9\text{Be}(^{30}\text{S},\text{X}\gamma)$: ^{30}S beam was produced from fragmentation of ^{36}Ar primary beam at 150 MeV/nucleon with a Be target. ^{28}S was produced, $E(^{30}\text{S})=111$ MeV/nucleon, from two proton knockout reaction: $^9\text{Be}(^{30}\text{S},^{28}\text{S})$. Measured $E\gamma$, σ using S800 spectrometer, angle information obtained using the position-sensitive cathode-readout drift chambers (CRDCs) at the focal plane of S800 spectrometer. γ -rays were detected with SeGA, an array of 17 32-fold segmented high-purity Ge detectors.

 ^{28}S Levels

E(level)	J^π	Comments
0	0^+	$\sigma=0.39$ mb 8.
1512 8	2^+	$\sigma=0.34$ mb 8.

 $\gamma(^{28}\text{S})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Comments
1512 8	1512	2^+	0	0^+	E_γ : Other 1525 keV 30 (2007Bu36).

 $^9\text{Be}(^{30}\text{S},\text{X}\gamma)$ 2006Yo05Level Scheme