

$^{32}\text{S}(\gamma, n\gamma)$ 1977Th11

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 184,29 (2022)	24-Jun-2022

1977Th11: E=16.3-27.3 MeV endpoint bremsstrahlung spectra in 1 MeV intervals. Photons from the Los Alamos Prototype Electron Linac electrons impacting a platinum foil. Natural Si target. Germanium detector for observing de-excitation γ -rays. Photonuclear cross section papers of interest: 1960Ta14, 1963Mu14, 1967An09, 1968Go29, 1970An21, 1974Ve06.

 ^{31}S Levels

All data from 1977Th11.

E(level)

0
1250 10
2230 10
3080 10
3350 10

 $\gamma(^{31}\text{S})$

<u>E_γ^\dagger</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>	Comments
1248 6	1250	0	
2232 6	2230	0	E_γ : unresolved γ ray in ^{31}S and ^{31}P .
3080 6	3080	0	
3351 6	3350	0	

† Authors say ΔE generally 3 keV but less than 6 keV for all.

${}^{32}\text{S}(\gamma, n\gamma)$ 1977Th11Level Scheme