

$^{32}\text{S}(\gamma, \text{p}\gamma')$ [1986Ar22,1977Th11](#)

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

[1986Ar22](#): E=32 MeV end-point photon energy from bremsstrahlung beam of the betatron at the Nuclear Physics Institute of Moscow State University. Other paper by the same group: [1978Va15](#).

[1977Th11](#): E=16-27 MeV (1 MeV steps) tip-point photon energy from bremsstrahlung as a result of electrons from the Los Alamos Prototype Electron Linac impinging on a platinum foil. Natural targets. Ge detectors for measuring γ yields of residual states.

Other: [1961Sh19](#).

 ^{31}P Levels

E(level) [†]	C ² S [#]	Comments
0	1.0 <i>I</i>	
1266	0.75 <i>IO</i>	E(level): 1270 (1986Ar22), 1266 (1977Th11).
2234	2.1 <i>2</i>	E(level): 2230 (1986Ar22), 2234 (1977Th11).
3134	0.13 <i>2</i>	E(level): 3130 (1986Ar22), 3134 (1977Th11).
3295	0.6 <i>I</i>	E(level): 3300 (1986Ar22), 3295 (1977Th11).
3414		E(level): 3410 (1986Ar22), 3414 (1977Th11).
3506		E(level): 3510 (1986Ar22), 3506 (1977Th11).
4190	0.6 <i>I</i>	E(level): 4190 (1986Ar22), 4190 (1977Th11).
4260		E(level): 4260 (1986Ar22), 4260 (1977Th11).
4430 [‡]	(0.04)	
4592		E(level): 4590 (1986Ar22), 4592 (1977Th11).
4780 [‡]	0.20	
5015		E(level): 5010 (1986Ar22), 5015 (1977Th11).
5253	0.10	E(level): 5260 (1986Ar22), 5253 (1977Th11).
5557		E(level): 5560 (1986Ar22), 5557 (1977Th11).
5910 [‡]	0.15	
5988	0.14	E(level): 5990 (1986Ar22), 5988 (1977Th11).
6340 [‡]	0.11	
6910 [‡]		
7210 [‡]	0.79	
7980 [‡]	0.82	
9680 [‡]	0.18	
9970 [‡]	0.15	
12500 [‡]		

[†] From [1977Th11](#), unless otherwise stated.

[‡] From [1986Ar22](#).

[#] From [1986Ar22](#).