

$^{34}\text{S}(\text{p},\alpha)$  1977Pe03

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

1977Pe03: E=35.5 MeV proton beam from Milano azimuthally varying field cyclotron. E- $\Delta$ E telescope of surface barrier detectors for charged particle identification. Enriched  $^{34}\text{S}$  targets (90.0%  $^{34}\text{S}$ ). FWHM=130-140 keV. DWBA analysis.

 $^{31}\text{P}$  Levels

Integrated  $\sigma$  given under comments are over the angular range of  $\theta(\text{lab})=15^\circ$  to  $50^\circ$  (1977Pe03).

E(level) <sup>†</sup>	L <sup>‡</sup>	Relative strength <sup>‡</sup>	Comments
0	0	1.0	Integrated $\sigma=86 \mu\text{b}$ 13.
3260 30	2	1.03 16	Integrated $\sigma=121 \mu\text{b}$ 12.
4730 30	2	2.5 4	Integrated $\sigma=290 \mu\text{b}$ 14.
7240 30	1	3.5 5	Integrated $\sigma=204 \mu\text{b}$ 15.
7970 30	1	3.1 5	Integrated $\sigma=177 \mu\text{b}$ 13.

<sup>†</sup> From 1977Pe03.

<sup>‡</sup> From DWBA analysis of measured  $\sigma(\theta)$  (1977Pe03).