

$^{36}\text{S}(t,p)$ 1985Da15

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 152, 1 (2018)	30-Sep-2017

1985Da15: E=18 MeV triton beam was produced from the McMaster University tandem accelerator. Target was a 200 $\mu\text{g}/\text{cm}^2$ silver foil sulfided by enriched sulfur (81.1% in ^{36}S). Reaction products were momentum-analyzed with an Engel split-pole magnetic spectrograph (FHWM=55 keV) and detected by a delay-line gas counter. Measured $\sigma(\theta)$. Deduced levels, J, π , L-transfers from DWBA analysis. Comparisons with shell-model calculations.

 ^{38}S Levels

<u>E(level)</u>	<u>L</u>	<u>relative strength</u>	<u>E(level)</u>	<u>L</u>	<u>relative strength</u>	<u>E(level)</u>	<u>L</u>	<u>relative strength</u>
0	0	0.20	3690 17	5,6	0.39	5064 27	3,(2)	0.18
1295 10	2	0.51	4336 20	4,(3)	0.48	5278 28	2,(1,3)	
2835 14	4	1.00	4478 22	3,4	0.45	6000 30	3,(4)	
3375 17	2,(1)	0.07	4955 25	2,(1,3)	0.29	6605 60		