
 $^{36}\text{S}(^{14}\text{C}, ^{12}\text{C})$ **1984Ma49**

<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

1984Ma49: E=71 MeV ^{14}C beam was produced from the Munich MP-Tandem accelerator. Target was Ag_2S (80% in ^{36}S) on a carbon backing. Reaction products were momentum-analyzed with the Munich Q3D spectrograph and detected with a long position-sensitive $\Delta\text{E-E}$ ionization chamber. Measured $\sigma(\theta)$, $\theta=10^\circ, 15^\circ$. Deduced levels, mass excess.

 ^{38}S Levels

<u>E(level)</u>	<u>J^π[†]</u>	<u>$d\sigma/d\Omega$ (mb/sr)</u>
0	0^+	0.4
1270 20	2^+	1.0
2840 20		1.8
3710 20		0.8
4430 20		0.6
6020 30		0.6

[†] From Adopted Levels.