

$^{34}\text{S}(^{13}\text{C}, ^{14}\text{O}), ^{36}\text{S}(^{14}\text{C}, ^{17}\text{O})$ [1986Fi06,1984Ma49](#)

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|---------------------------|---------|----------------------|------------------------|
| Full Evaluation | Jun Chen and Balraj Singh | | NDS 112, 1393 (2011) | 31-Mar-2011 |

[1986Fi06](#): E=91 MeV. Measured cross section, deduced Q value and mass excess, Enge split-pole spectrometer. FWHM=300 keV.
[1984Ma49](#): E(^{36}S)=80 MeV. Measured γ (particle) coin, particle spectra, deduced mass excess.

 ^{33}Si Levels

| E(level) [†] | J π [‡] | Comments |
|-----------------------|----------------------|--|
| 0 | (3/2 ⁺) | d σ /d Ω =25 $\mu\text{b/sr}$. |
| 1040 20 | | E(level): from ($^{14}\text{C}, ^{17}\text{O}$) (1984Ma49) only; excited very weakly, if at all in $^{34}\text{S}(^{13}\text{C}, ^{14}\text{O})$. |
| 1470 | (7/2 ⁻) | |
| 2000 | (3/2 ⁻) | |
| 3190 | | |
| 4130 | | |
| 4320? | | E(level): this is excited very weakly, if at all in $^{34}\text{S}(^{13}\text{C}, ^{14}\text{O})$; not included in Adopted Levels. |
| 5480 | | |

[†] From ($^{13}\text{C}, ^{14}\text{O}$) ([1986Fi06](#)), unless otherwise stated.

[‡] From comparison with states populated in ^{35}Si and shell-model predictions.