

$^{61}\text{Ni}(\alpha, p\gamma)$ 1976Ch36

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 178, 41 (2021).	12-Nov-2021

1976Ch36: E=17.5 MeV. Measured E_γ , I_γ .

All data are from 1976Ch36.

 ^{64}Cu LevelsE(level)

0
159
278
362
574
746
896
1593
2072
2377

 $\gamma(^{64}\text{Cu})$

<u>E_γ</u>	<u>I_γ</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>	<u>E_γ</u>	<u>I_γ</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>	<u>E_γ</u>	<u>I_γ</u>	<u>$E_i(\text{level})$</u>	<u>E_f</u>
159	100	159	0	362	4	362	0	618	8	896	278
203	91	362	159	384	2	746	362	784	11	2377	1593
212	61	574	362	415	4	574	159	1019	26	1593	574
278	24	278	0	468	7	746	278				
322	2	896	574	479	14	2072	1593				

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Level Scheme

Intensities: Relative I_γ

Legend

- $I_\gamma < 2\% \times I_\gamma^{\max}$
- $I_\gamma < 10\% \times I_\gamma^{\max}$
- $I_\gamma > 10\% \times I_\gamma^{\max}$

