

$^{59}\text{Co}(n,n')$ 1988Sm02,1974Gu12

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 151, 1 (2018)	1-Apr-2018

Others: [1966Bi15](#), [1956Cr31](#).

[1988Sm02](#): E(n)=1.5-10.0 MeV. For E(n)≤4.0 MeV, FWHM≈20 keV, θ≈18°–160°, excit.

[1974Gu12](#): E(n)=1.8-4.0 MeV. Measured E(n') (using tof), excit.

 ^{59}Co Levels

E(level) [†]	Comments
0.0	
1100 <i>10</i>	
1200 <i>10</i>	
1300 <i>10</i>	
1430 <i>10</i>	
1460 [‡] <i>20</i>	E(level): Other values: 1510 <i>20</i> (1956Cr31), 1503 <i>33</i> (1988Sm02).
1720 <i>20</i>	E(level): Other values: 1750 <i>20</i> (1956Cr31), 1778 <i>40</i> (1988Sm02).
2060 <i>20</i>	
2090 <i>20</i>	
2160 [‡] <i>30</i>	E(level): Other value: 2224 <i>35</i> (1988Sm02).
2395 <i>35</i>	E(level): weighted average of 2423 <i>39</i> (1988Sm02), 2350 <i>50</i> (1974Gu12).
2556 [‡] <i>46</i>	E(level): weighted average of 2593 <i>41</i> (1988Sm02), 2500 <i>50</i> (1974Gu12).
2810 [‡] <i>67</i>	E(level): from 1988Sm02 .

[†] From [1974Gu12](#).

[‡] Probable multiplet.