

$^{59}\text{Co}(\text{d},\text{d}')$ 1961Co07,1967No04,1958EI04

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

1967No04: Ed=12.09 MeV; $\theta=90^\circ$, broad range spectrograph, thin target (ΔE , FWHM not stated).

1961Co07: Ed=15 MeV; wedge magnet spectrographs, photographic plates, FWHM \approx 80 keV, $\theta(\text{lab})=60^\circ$, ΔE not stated. See 1962Jo05 for errata.

1958EI04: Ed \approx 8.7 MeV; magnetic spectrograph; measured $\sigma(\theta)$.

A 330 level reported by 1961Co07 remains unconfirmed by other data from this or any other reaction; the evaluator, therefore, assumes that it does not exist.

 ^{59}Co Levels

E(level) [†]	L [‡]	Comments
0.0		
1097		
1189		
1270@ 20	2	
1458		
1479		
1750 20		E(level): from 1958EI04. E=1743 in 1967No04.
2060		E(level): from 1961Co07.
2200#		
3140		E(level): from 1961Co07.
3750		E(level): from 1961Co07.
3870#		

[†] From 1967No04, unless indicated otherwise.

[‡] From $\sigma(\theta)$ (1958EI04).

Corrected 1961Co07 datum; see 1962Jo05.

@ From 1958EI04; also reported by 1961Co07, but absent in 12.09 MeV, 90° spectrum of 1967No04.