

⁴⁸Ca(⁴⁸Ca,Xγ) 2001Br35

History		Citation	Literature Cutoff Date
Type	Author		
Full Evaluation	S. Ota and E. A. Mccutchan	NDS 203,1 (2025)	1-Apr-2025

2001Br35: E(⁴⁸Ca)=210 MeV. Measured Eγ, Iγ, γγ-coin using GASP array at the INFN Legnaro Laboratory. Target was 1.2 mg/cm² ⁴⁸Ca backed by thick ²⁰⁸Pb.

⁴⁷K Levels

E(level) [†]	J ^π [‡]
0	1/2 ⁺
360	3/2 ⁺
2020	(7/2 ⁻)
2287	
3339	
4433	

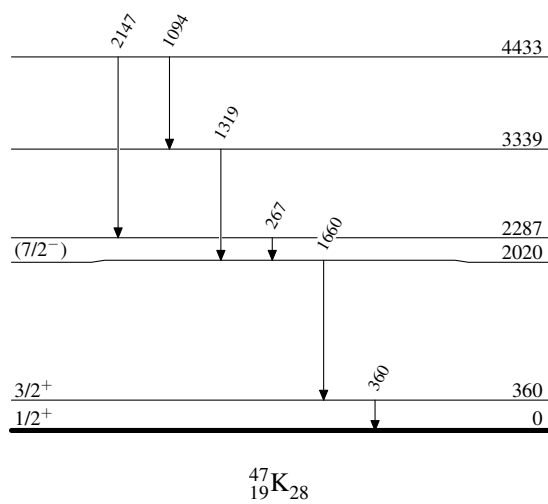
[†] From E_γ.
[‡] As proposed by 2001Br35.

γ(⁴⁷K)

E _γ	E _i (level)	J _i ^π	E _f	J _f ^π
267	2287		2020	(7/2 ⁻)
360	360	3/2 ⁺	0	1/2 ⁺
1094	4433		3339	
1319	3339		2020	(7/2 ⁻)
1660	2020	(7/2 ⁻)	360	3/2 ⁺
2147	4433		2287	

${}^{48}\text{Ca}({}^{48}\text{Ca},\text{X}\gamma)$ **2001Br35**

Level Scheme



${}^{47}_{19}\text{K}_{28}$