$^{48}$Ca($^{48}$Ca,X$\gamma$) E=210 MeV    **2001Br35**

| Type | Author | History Citation | Literature Cutoff Date |
|---|---|---|---|
| Full Evaluation | T. W. Burrows[a] | NDS 109, 1879 (2008) | 14-Jul-2008 |

Deep inelastic. Measured E$\gamma$, I$\gamma$, $\gamma\gamma$-coin; GASP array At the INFN Legnaro Laboratory. 1.2 mg/cm$^2$ $^{48}$Ca target backed by a thick $^{208}$Pb material.

$^{49}$Sc Levels

| E(level)[†] | J$^{\pi}$[‡] |
|---|---|
| 0.0 | 7/2$^-$ |
| 3521.7 *7* | |
| 3914.9 *8* | (9/2$^-$)[#] |
| 4046.5 *8* | (9/2$^-$)[#] |
| 4239.6 *13* | |

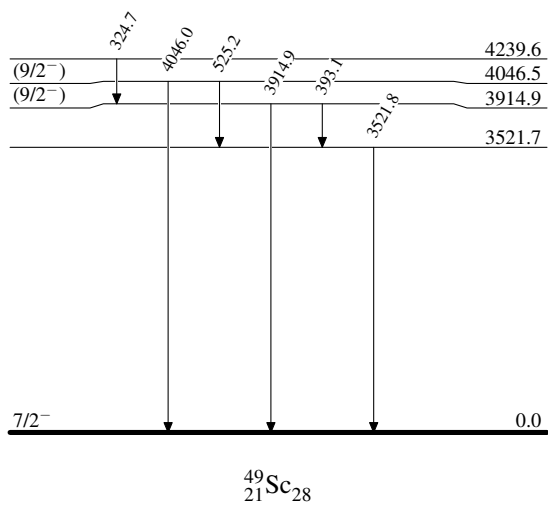[†] From least-squares fit to E$\gamma$'s assuming $\Delta$E($\gamma$)=1 keV (evaluator).
[‡] From the Adopted Levels.
[#] 2001Br35 cite J$^{\pi}$(3915, 4046)=(9/2)$^+$ from earlier studies.

$\gamma(^{49}$Sc)

| E$_{\gamma}$ | E$_i$(level) | J$^{\pi}_i$ | E$_f$ | J$^{\pi}_f$ |
|---|---|---|---|---|
| 324.7 | 4239.6 | | 3914.9 | (9/2$^-$) |
| 393.1 | 3914.9 | (9/2$^-$) | 3521.7 | |
| 525.2 | 4046.5 | (9/2$^-$) | 3521.7 | |
| 3521.8 | 3521.7 | | 0.0 | 7/2$^-$ |
| 3914.9 | 3914.9 | (9/2$^-$) | 0.0 | 7/2$^-$ |
| 4046.0 | 4046.5 | (9/2$^-$) | 0.0 | 7/2$^-$ |

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Level Scheme



$^{49}_{21}$Sc$_{28}$