^{48}Ca(e,e′n) E=88 MeV: GDR 2000St24

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows	NDS 108, 923 (2007)	20-Feb-2007

E=67.7 MeV (θ(e)40.0°), 87.7 MeV (θ(e)=52.1°), 88.0 MeV (θ(e)=40.0°), and 103.4 MeV (θ(e)=52.1°). Measured $\sigma(\theta(e'))$ (large solid-angle magnetic spectrometer), σ(N) (six NE213 liquid scintillators). $E_x \leq 25$ MeV; FWHM≈70 keV. See also 1999St12, 2000Ri02, and 2001Vo09.

^{47}Ca Levels

Branching ratios are very similar for (e,e′n) and (p,p′n) with the exception of the decay to ^{47}Ca g.s. which is stronger In (p,p′n) (2000Ri09).

E(level)†	Jπ†	Comments
0	$7/2^-$	
2014	$3/2^-$	
2849	$(1/2^-,3/2^-)$	
2875	$(1/2^-,3/2^-)$	
12737	$1/2^+$	T=9/2 populated In the decay of the ^{48}Ca 24.2 MeV IAR.

† From the Adopted Levels. Nominal energies are given.