^{32}S(t,pγ)   **1975He25**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, Balraj Singh	NDS 113, 1563 (2012)	28-May-2012

1975He25: ^{32}S(t,pγ) inverse kinematics E(^{32}S)=38 MeV, target of TiT on thick backing. Used Ge(Li) for γ rays At 0°, and annular Si counter At 180° for protons (the angles are relative to the beam direction). Measured lifetimes by DSAM.
1977He12: reinterpret results of 1975He25 with different stopping power data.

^{34}S Levels

E(level)	T$_{1/2}$	Comments
0.0		
2127	340 fs *21*	T$_{1/2}$: mean lifetime τ In fs: 490 *30* (1977He12; initial result: 470 *20* (1975He25)).
3303	133 fs *9*	T$_{1/2}$: mean lifetime τ In fs: 192 *13* (1977He12; initial result: 196 *13* (1975He25)).

$\gamma(^{34}$S)

E$_\gamma$	E$_i$(level)	E$_f$
1176.1	3303	2127
2127.3	2127	0.0

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Level Scheme