

Pb($^{16}\text{O},\text{X}\gamma$) 2006MoZS

Type	History		
Full Evaluation	Author	Citation	Literature Cutoff Date
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2006MoZS: E=60 MeV ^{16}O beam was produced at JAEA. A target of 11 mg/cm² PbS. γ -rays were detected by the GEMINI-II array. Measured E γ , I γ , $\gamma\gamma$ -coin. Deduced levels.

 ^{42}Sc Levels

E(level)	J $^{\pi}$ [†]						
0	0 ⁺	1490	3 ⁺	1845	3 ⁽⁺⁾	2435	4 ⁺
611	1 ⁺	1512	5 ⁺	2223	3 ⁺	2606?	4 ⁽⁺⁾
618	7 ⁺	1586	2 ⁺	2391?	3 ⁺	2995?	4 ⁺

[†] From Adopted Levels.

 $\gamma(^{42}\text{Sc})$

E γ	E $_i$ (level)	J $^{\pi}_i$	E $_f$	J $^{\pi}_f$	E γ	E $_i$ (level)	J $^{\pi}_i$	E $_f$	J $^{\pi}_f$	E γ	E $_i$ (level)	J $^{\pi}_i$	E $_f$	J $^{\pi}_f$
259	1845	3 ⁽⁺⁾	1586	2 ⁺	761 [†]	2606?	4 ⁽⁺⁾	1845	3 ⁽⁺⁾	894	1512	5 ⁺	618	7 ⁺
606 [†]	2995?	4 ⁺	2391?	3 ⁺	772 [†]	2995?	4 ⁺	2223	3 ⁺	923	2435	4 ⁺	1512	5 ⁺
611	611	1 ⁺	0	0 ⁺	879	1490	3 ⁺	611	1 ⁺	975	1586	2 ⁺	611	1 ⁺
637	2223	3 ⁺	1586	2 ⁺	879 [†]	2391?	3 ⁺	1512	5 ⁺					

[†] Placement of transition in the level scheme is uncertain.

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Legend

— — — — ► γ Decay (Uncertain)

