#### <sup>7</sup>Li(<sup>98</sup>Rb,t2nγ) 2015Bo11

History							
Туре	Author	Citation	Literature Cutoff Date				
Full Evaluation	Balraj Singh and Jun Chen	NDS 172, 1 (2021)	31-Jan-2021				

2015Bo11:  $E({}^{98}Rb)=2.85 \text{ MeV/nucleon incident on a 1.5 mg/cm}^2$  LiF target enriched in <sup>7</sup>Li. Incident beam contained strong isobaric  ${}^{98}Sr$  component. Measured E $\gamma$ , I $\gamma$ ,  $\gamma\gamma$ -coin and (particle) $\gamma\gamma$ -coin using the MINIBALL array consisting of 24 six-fold segmented HPGe crystals and the T-REX system consisting of a Si detector with two layers to act as a  $\Delta$ E-E detector, placed at forward angles. Discussed reaction mechanism in terms of transfer of cluster-like particle within the distorted-wave Born approximation framework.

#### <sup>100</sup>Y Levels

E(level)	$J^{\pi \dagger}$
0	(1) <sup>-</sup>
11†	$1^{+}$
75	$(2)^{+}$
171	(3 <sup>+</sup> )

<sup>†</sup> From the Adopted Levels. Energy is rounded value.

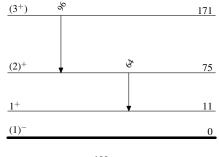
## $\gamma(^{100}\mathrm{Y})$

2015Bo11 report observation of transitions of 64 and 96 keV, assigned  $^{100}$ Y, and populated through (t,2n) reaction channel. Placement of these transitions is based on the Adopted Levels, Gammas dataset.

Eγ	$E_i$ (level)	$\mathbf{J}_i^{\pi}$	$\mathbf{E}_{f}$	$\mathbf{J}_f^{\pi}$
64	75	$(2)^{+}$	11	1+
96	171	(3 <sup>+</sup> )	75	$(2)^{+}$

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### Level Scheme



 $^{100}_{39} Y_{61}$