## <sup>64</sup>Ni(<sup>18</sup>O,<sup>17</sup>O) **2018Li59**

		History	
Туре	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 202,59 (2025)	25-Feb-2025

2018Li59: E=84 MeV <sup>18</sup>O beam was produced from the tandem accelerator at the Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali del Sud, Catania, Italy. Target was an enriched self-supporting <sup>64</sup>Ni foil with a thickness of 110 *10*  $\mu$ g/cm<sup>2</sup>. Reaction produts were momentum-analyzed with the MAGNEX magnetic spectrometer. Measured particle energy spectra,  $\sigma(\theta)$ . Deduced levels. Comparisons with shell-model calculations.

## <sup>65</sup>Ni Levels

E(level) <sup>†</sup>	Comments
50	E(level): a composite peak of unresolved g.s., 63 and 310 levels (2018Li59).
980	E(level): a composite peak of unresolved 690, 1020, 1140, and 1270 levels (2018Li59).
1960	

<sup> $\dagger$ </sup> Excitation energy is deduced from measured energy of <sup>17</sup>O (2018Li59).