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**Re(n,n') E=250-1500 keV    1968Sm03**

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<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	S. -c. Wu	NDS 106, 619 (2005)	1-Nov-2005

E $\approx$ 0.25-1.5 MeV; neutrons from  $^7\text{Li}(p,n)$ ; natural metal target.

The observed peaks were assigned to  $^{185}\text{Re}$  or  $^{187}\text{Re}$  from comparison of measured energies with known levels in each isotope.

 $^{185}\text{Re}$  Levels

<u>E(level)</u>	<u>J<math>^\pi</math></u>
0	
132 <sup>†</sup>	10
313 <sup>†</sup>	15
387 <sup>‡</sup>	18 (9/2 <sup>-</sup> )
637 <sup>†</sup>	20
767 <sup>†</sup>	25
865 <sup>†</sup>	25
963 <sup>#</sup>	25
1060 <sup>#</sup>	25
1135 <sup>#</sup>	25

<sup>†</sup> Composite of levels in  $^{185}\text{Re}$  and  $^{187}\text{Re}$ .

<sup>‡</sup> 9/2<sup>-</sup>, 9/2[514] assignment was proposed by 1968Sm03 from analogy to  $^{183}\text{Re}$  and  $^{187}\text{Re}$  where this Nilsson state lies at 496 and 206 keV, respectively.

<sup>#</sup> Level belongs to  $^{185}\text{Re}$  or  $^{187}\text{Re}$ .