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Absolute cross sections of proton induced reactions on ⁶⁵Cu, ⁶⁴Ni and ⁶³Cu

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In the analysis of the ⁶⁴Ni(p, γ)⁶⁵Cu cross-section data (Fig. 2, p. 467), insufficient weight was placed on the influence of resonance to ground state transitions. When these transitions are properly taken into account, the measured cross section is increased by amounts varying from 5% to 30% for individual points. A plot of the revised data, together with the predictions of the statistical model code HAUSER*4 is now presented. The agreement between theory and experiment is considerably improved, and the sentence commencing on p. 470, paragraph 2, line 6, should be amended to read 'Over most of the energy range below the neutron threshold it is ~20% high,...'.

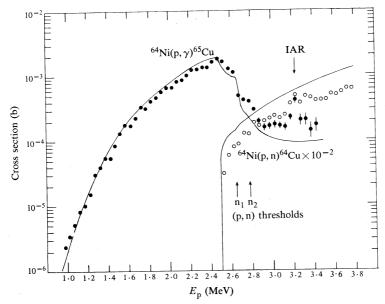


Fig. 2. Plot of revised data for the 64 Ni(p, γ) 65 Cu cross section shown in Fig. 2, p. 467, of the original paper.

