

Abstract of paper to be presented before the 287th meeting of the American Physical Society, June 24-26, 1948, at Pasadena, California.

Excitation Curves of $C^{12}(p,pn)C^{11}$ and $B^{11}(p,n)C^{11}$ up to 32 MeV

by

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April 20, 1948.

The excitation curves of $C^{12}(p,pn)C^{11}$ and $B^{11}(p,n)C^{11}$ have been obtained by the stacked foil technique using accurately molded Boron Carbide and Polystyrene sheets. 32 MeV protons from the Linear Accelerator were used as the bombarding particle. Owing to the homogeneity of the linear accelerator beam, very accurate resolution near the threshold has been obtained. The shape of the curve will be discussed. This work was sponsored by the Atomic Energy Commission.

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Unclassified TWX P182206Z May 79

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3-26-80

Date