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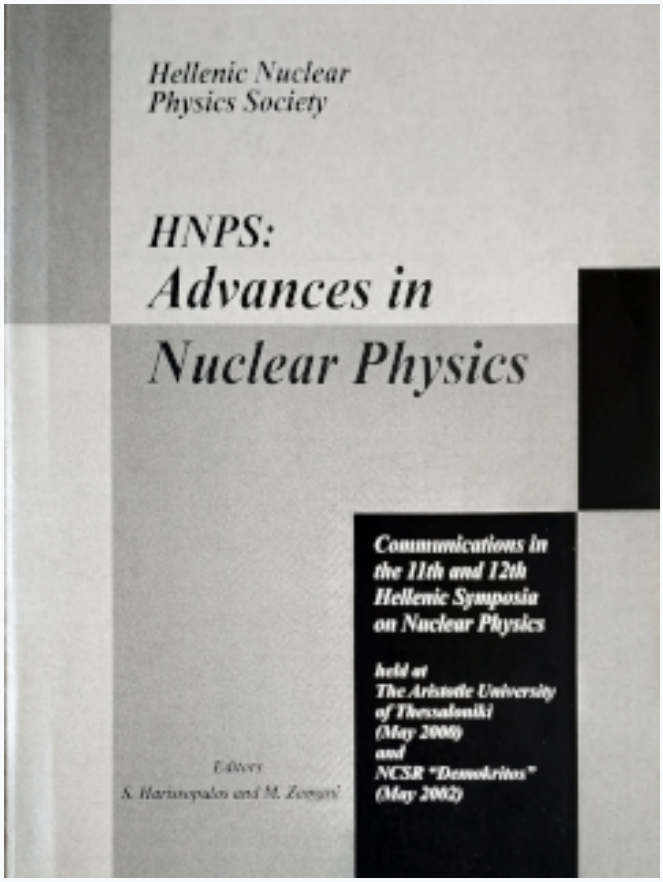

Cross section measurements of the 7 8Se(p,7)7 9Br and 8 0Se(p,7)8 1Br reactions

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Cross section measurements of the ^{78}Se(p,γ)^{79}Br and ^{80}Se(p,γ)^{81}Br reactions [1]

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In beam cross section measurements of the ^{78}Se(p,γ)^{79}Br and ^{80}Se(p,γ)^{81}Br reactions have been carried out at E_p=1.4-3.5 MeV, by using high efficiency HPGe detectors with BGO shields for Compton background suppression. A preliminary analysis yielded total cross sections ranging from 10 μb to 3 mb. By means of the statistical compound nucleus theory of Hauser-Feshbach cross sections have also been calculated. A comparison between experimental data and theoretical predictions is presented.

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