

Abstract Submitted
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Is There a Significant Difference Between The Slope of CD and DC Data on ${}^7\text{Be}(p,\gamma){}^8\text{B}$ Reaction.¹ MOSHE GAI, UConn/Yale, LNS AT AVERY POINT TEAM — The RIKEN data on the Coulomb Dissociation (CD) of ${}^8\text{B}$ were shown to be in good agreement with the Direct Capture (DC) data on the ${}^7\text{Be}(p,\gamma){}^8\text{B}$ reaction (that were known at that time) of Filippone *et al.* Yet recently it was claimed [1] that the RIKEN2 CD data must be corrected in order to be reconciled with the slope of DC data. Considering the (correct) so called scale independent b-slope parameter of the RIKEN2 CD data, the resultant corrected b-slope parameter suggested by Esbensen, Bertsch and Snover is shown to be considerably smaller than the so called average b-slope parameter of DC data. The suggested corrections of the b-slope parameter lead to a large disagreement with DC data, in sharp contrast to the claim. The slope corrections are only significant for the RIKEN2 CD data. For the GSI kinematics, where in fact one may observe slope different than for DC (at least for the GSI1 data), they find a fortuitous cancellation that leads to a vanishingly small slope correction. Hence the validity of these correction based on the observed slopes can not be substantiated.

[1] H. Esbensen, G. F. Bertsch, and K. A. Snover; *Phy. Rev. Lett.* **94**(205)042502.

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