

## **COULOMB DISSOCIATION OF INCIDENT HEAVY NUCLEI IN NUCLEAR EMULSION AT 4.5 A GeV/c**

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The Coulomb dissociation of  ${}^6\text{Li}$ ,  ${}^7\text{Li}$ ,  ${}^{12}\text{C}$ ,  ${}^{16}\text{O}$  and  ${}^{28}\text{Si}$  nuclei interacted with photo-emulsion at 4.5 A GeV/c are studied. The interactions are characterized by  $N_h = 0$  and the events due to both Coulomb and diffraction dissociation have been selected and analyzed as a function of impact parameter.

The dependence of electromagnetic dissociation cross section on incident nuclei and target charges is obtained. The fragmentation modes of these incident projectiles are investigated and compared with other available data, also the comparison of the experimental data with the assumed virtual-photon spectrum using Williams-Weizsacker method is done.