# $^8$B Coulomb dissociation

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$^8$B Coulomb dissociation on the $^{208}$Pb target at beam energy about 936MeV/nucleon has been studied in the eikonal approximation and the first order perturbation for electromagnetic interraction. Three-body ground state wave function of the $^8$B has been used in the calculations. The final state wave function has been taken as a pure Coulomb continuum. The $E1$ and $E2$ transitions have been taken into account. The total cross section, longitudinal momentum distributions and energy distribution have been obtained. The model demonstrates a good agreement with the results of other calculations and with experimental data. The model allows to consider $^8$B Coulomb breackup to the ground and exited state (429 keV ) of $^7$Be in a self consistent way.