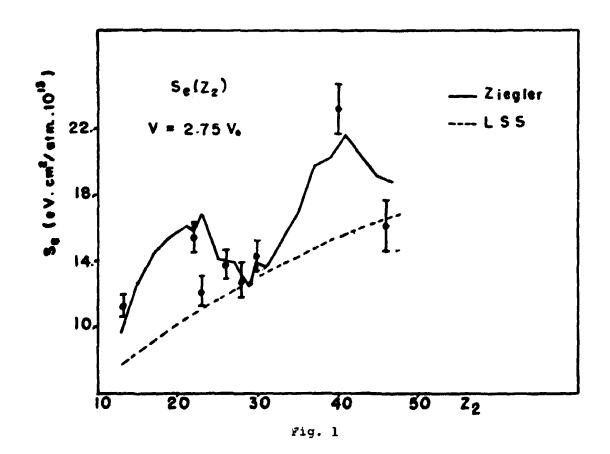
8. ENERGY LOSS OF HEAVY IONS IN SOLIDS

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The stopping cross section for silver ions in various solids was measured as a function of ion velocity. The Doppler effect in the energy of gamma rays emitted by Coulomb excited nuclei was used to measure ion recoil velocity. The stopping cross sections show an oscillatory dependence on the atomic number of the stopping medium, (see Fig. 1) similar to that reported for the stopping of alpha particles, but with some particulars not shown by light ions.



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⁺ Partially supported by CNPq