

8. ENERGY SPECTRA OF DEUTERON COULOMB BREAKUP AT SUBBARRIER ENERGIES

K. O. Terenetsky, V. P. Verbitsky

The regularities of the deuteron Coulomb breakup energy spectra behaviour depending on the energies and take-off angles of constituent deuteron particles are investigated. Deuteron breakup reaction on the lead nucleus at the energy $E_d = 8$ MeV has been considered as an example. It was shown that some features of breakup process do not result in the Landau and Lifshits approximate expression predictions for this reaction. The experiment for the Nemets-effect physical nature investigation is suggested.