

EFFECT OF THE COULOMB INTERACTION
IN A(d,p) FRAGMENTATION

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In the framework of the Glauber–Sitenko model, we calculate the contribution of the Coulomb interaction in the cross-section of the A(d,p) reaction at high energies and zero angle. It is demonstrated that such an effect significantly increases the differential cross section only at a peak, where the proton momentum p is near half of the deuteron momentum p_d in the lab. frame, $p \sim \frac{1}{2}p_d$. The Coulomb interaction does not change the results in the high-momentum region, where quark effects should be taken into account.