

**STUDY OF CORRELATIONS OF CHARGED PARTICLES IN Xe+W
INTERACTIONS AT AN ENERGY OF 3.0 GeV/NUCLEON**

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Experimental results on spatial correlations of charged particles in Xe+W interactions at the energy of 3 GeV/nucleon obtained at the Nuclotron internal target station are presented. The simulation of the detectors of the experimental setup has been performed using the Geant4 software package and the PHQMD (Parton-Hadron-Quantum-Molecular Dynamics) event generator.