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Introduction and overview of the UrQMD model for p+A and A+A reactions

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This talk provides an introduction into the Ultra-relativistic Quantum Molecular Dynamics model (UrQMD). UrQMD is a well established transport approach to simulate hadron-hadron, hadron+nucleus and nucleus+nucleus reactions at beam energies starting from 1 GeV to center-of-mass energies of a few hundred GeV. UrQMD has been well tested against a wide range of accelerator data for various collision systems and allows to obtain a full momentum distribution of all final state particles.

Primary author: Prof. BLEICHER, Marcus (Uni Frankfurt)

Presenter: Prof. BLEICHER, Marcus (Uni Frankfurt)

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