

DNP17-2017-000045

Abstract for an Invited Paper  
for the DNP17 Meeting of  
the American Physical Society

**Hadron-hadron scattering from Lattice QCD with  $N_f = 2 + 1 + 1$  quark flavours**

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We present results for hadron-hadron scattering obtained using lattice QCD. The analysis is mainly based on ensembles produced by the European Twisted Mass collaboration (ETMC) using the Wilson twisted mass formulation of lattice QCD with active up/down, strange and charm quarks. The simulations cover three values of the lattice spacing and a range of pion mass values from 230 MeV to 500 MeV. We mainly focus on the investigation of pion-pion, pion-kaon and kaon-kaon scattering in various isospin channels. We discuss how to control the main systematic uncertainties stemming from the continuum and the chiral extrapolations. Results are compared to other lattice collaborations and to experimental results, where applicable. In addition we present our progress for pion-nucleon scattering based on ensembles with physical pion mass value.