



Contribution ID: 162

Type: Talk

Nucleon electromagnetic and axial form factors with $N_f = 2$ twisted mass fermions at the physical point

Thursday, July 28, 2016 5:10 PM (20 minutes)

The nucleon electromagnetic and axial form factors are presented using an $N_f=2$ twisted mass fermion ensemble with pion mass of 135 MeV. Dipole masses for the momentum dependence of the form factors are extracted and compared to experiment, as is the nucleon magnetic moment and charge and magnetic radii.

Primary authors: Mr KALLIDONIS, Christos (The Cyprus Institute); Prof. ALEXANDROU, Constantia (University of Cyprus and The Cyprus Institute); Dr KOUTSOU, Giannis (The Cyprus Institute); Dr JANSEN, Karl (DESY); Dr HADJIYIANNAKOU, Kyriakos (George Washington University); Dr CONSTANTINOU, Martha (The Cyprus Institute)

Presenter: Dr KOUTSOU, Giannis (The Cyprus Institute)

Session Classification: Hadron Structure

Track Classification: Hadron Structure