



Contribution ID: 187

Type: **Talk**

The Rho Resonance from Twisted Mass Lattice QCD

Tuesday, July 26, 2016 2:00 PM (20 minutes)

We present new results for $I = 1 \pi\pi$ scattering with twisted mass fermions utilizing the sLapH method. The breaking of rotational symmetry on the lattice is fully taken into account at multiple moving frames. Our previous calculation is extended by more single and multi-hadron operators and by utilising more irreducible representations.

Authors: Dr KOSTRZEWA, Bartosz (University of Bonn); Dr KNIPPSCHILD, Bastian (University of Bonn); Prof. URBACH, Carsten (University of Bonn); JOST, Christian (University of Bonn); Mr HELMES, Christopher (University of Bonn); Dr OTTNAD, Konstantin (University of Bonn); Dr LIU, Liuming (University of Bonn); WERNER, Markus (University of Bonn)

Presenter: WERNER, Markus (University of Bonn)

Session Classification: Hadron Spectroscopy and Interactions

Track Classification: Hadron Spectroscopy and Interactions