

Session Program

22 July 2019 to 9 August 2019

Advances in Lattice Gauge Theory 2019

scattering/spectroscopy

CERN, 4/3-006 - TH Conference Room

Monday 22 July

10:00

scattering/spectroscopy: day 1

Session | Location: CERN, 4/3-006 - TH Conference Room

10:00-10:30

Introduction to scattering on the lattice

Speaker

Maxwell Hansen

10:30-11:00

Three particles in the infinite volume: the `ladders and resonances` approach for the $\pi_1(1260)$ dynamics

Speaker

Mikhail Mikhasenko

11:00-11:30

Coffee break

11:30-12:30

Implementing the three-particle quantization condition: a progress report

Speaker

Steve Sharpe

12:30

Tuesday 23 July

10:00

scattering/spectroscopy: Day 2

Session | Location: CERN, 4/3-006 - TH Conference Room

10:00-11:00 **Towards neutrinoless double-beta decay from lattice QCD**

Speaker

Zohreh Davoudi

11:00-11:30 **Coffee break**

11:30-12:30 **Electromagnetic form factors and the proton radius**

Speaker

Jeremy Green

12:30

Wednesday 24 July

10:00

scattering/spectroscopy: Day 3

Session | **Location:** CERN, 4/3-006 - TH Conference Room

10:00–11:00 **Quasi PDF as observables**

Speaker

Luigi Del Debbio

11:00–11:30 **Coffee break**

11:30–12:30 **Overview of coupled-channel scattering**

Speaker

Jozef Dudek

12:30

Thursday 25 July

10:00

scattering/spectroscopy: Day 4

Session | Location: CERN, 4/3-006 - TH Conference Room

10:00-11:00 **Partial wave mixing and rho pi scattering**

Speaker

Christopher Thomas

11:00-11:30 **Coffee break**

11:30-12:30 **The b1 resonance from omega pi scattering**

Speaker

Antoni Woss

12:30

Friday 26 July

10:00

scattering/spectroscopy: Day 5

Session | Location: CERN, 4/3-006 - TH Conference Room

10:00-11:00

Scattering from finite volume spectral functions: status and perspectives

Speakers

John Bulava, John Bulava

11:00-11:30

Coffee break

11:30-12:30

Neural network applications to spectral reconstruction

Speaker

Dr Antonin Portelli

12:30

Friday 2 August

10:00

scattering/spectroscopy

Session | **Location:** CERN, 4/3-006 - TH Conference Room

10:00–11:00 **Pion Scattering to $(g-2)_\mu$ at Physical Pion Mass**

Speaker

Aaron Meyer

11:00–11:30 **Coffee break**

11:30–12:30 **Meson interactions at Large N_c**

Speaker

Fernando Romero-López

12:30

Thursday 8 August

10:00

scattering/spectroscopy: Day 4

Session | **Location:** CERN, 4/3-006 - TH Conference Room

10:00–11:00 **K pi scattering and the Kstar**

Speaker

David Wilson

11:00–11:30 **Coffee break**

11:30–12:30 **Stabilised Wilson fermions for QCD**

Speaker

Antonio Rago

12:30