

Session Program

24-30 Sept 2022



Diffraction and Low-x 2022

Soft and low-mass diffraction

Corigliano Calabro, Italy
BV Airone Resort

Thursday 29 September

08:30

Soft and low-mass diffraction

Session | **Location:** Corigliano Calabro, Italy, BV Airone Resort

08:30–08:50 **The High-Energy Limit of $2 \rightarrow 2$ QCD scattering amplitudes**

Speaker

Calum Milloy

08:50–09:10

Precision small scattering angle measurements of proton-proton and proton-nucleus analyzing powers at the RHIC hydrogen jet polarimeter

Speakers

Andrei Poblaguev, Andrei Poblaguev

09:10–09:30

The Low theorem for diffractive bremsstrahlung and the soft photon puzzle

Speakers

Boris Kopeliovich, Boris Kopeliovich

09:30–09:50

Modeling photon radiation in soft hadronic collisions

Speakers

Boris Kopeliovich, Boris Kopeliovich

09:50–10:10

Measurement of multijet events and photon production with ATLAS

Speaker

Leonardo Carminati

10:10

10:40

Soft and low-mass diffraction

Session | **Location:** Corigliano Calabro, Italy, BV Airone Resort

10:40–11:00 **Multiple pion pair production in a Regge based model**

Speaker

Rainer Schicker

11:00–11:20

GRANIITTI: Towards a deep learning enhanced MC event generator for high energy diffraction

Speaker

Matti Mikael Mieskolainen

11:20–11:40

Nuclear effects in coherent photoproduction of heavy quarkonia

Speakers

Jan Nemchik, Jan Nemchik

11:40–12:05

Hunting for QCD Instantons at the LHC in the forward proton mode

Speaker

Valery Khoze

12:05-12:25

Evolution equation for elastic scattering of hadrons**Speaker**

Anderson Kendi

12:25-12:45

Isolating the Odderon in central production in high energy pA and AA collisions**Speaker**

Ronan McNulty

12:45-13:00

Discussion session: soft and low mass diffraction**Speakers**

Boris Kopeliovich, Boris Kopeliovich, Kenneth Osterberg, Kenneth Osterberg, Ronan McNulty

13:00

14:30

Soft and low-mass diffraction**Session** | **Location:** Corigliano Calabro, Italy, BV Airone Resort

14:30-14:50

The ReBB model at 8 TeV: Odderon exchange is a certainty**Speakers**

Istvan Szanyi, Mr István Szanyi

14:50-15:10

Model-independent results for Odderon-exchange based on new TOTEM data at 8 TeV**Speaker**

Tamas Csorgo

15:10-15:30

Universal scaling properties of proton-proton elastic scattering**Speaker**

Christophe Royon

15:30-15:55

Odderon observation from elastic pp and ppbar difference and pp forward scattering: an update with answers to questions and objections**Speakers**

Kenneth Osterberg, Kenneth Osterberg

15:55-16:15

Discussion session: Odderon**Speakers**

Boris Kopeliovich, Boris Kopeliovich, Kenneth Osterberg, Kenneth Osterberg, Ronan McNulty

16:15