

Session Program

19-21 Oct 2022

**Implications of LHCb measurements and
future prospects**

QCD spectroscopy and exotic hadrons

CERN, 222/R-001

Thursday 20 October

09:00

QCD spectroscopy and exotic hadrons

Session | **Location:** CERN, 222/R-001 | **Conveners:**

Padmanath Madanagopalan, Elisabeth Maria Niel, Raquel Molina Peralta, Dmitrii Pereima

09:00–09:20 **New pentaquark states at LHCb****Speaker**

Ivan Polyakov

09:25–09:45 **Tetraquark studies at LHCb****Speaker**

Yi Jiang

09:50–10:10**Methods to explore the nature of the new exotic resonances from data****Speaker**

Dr Miguel Albaladejo Serrano

10:15–10:45 **Coffee break****10:45–11:05** **Hadronic resonances and exotics from lattice QCD****Speaker**

Liuming Liu

11:10–11:30 **Conventional spectroscopy at LHCb****Speaker**

Mengzhen Wang

11:35–11:55 **Understanding QCD exotics using deep neural networks****Speaker**

Cesar Fernandez Ramirez

11:55