

**Session Program**

16-18 Dec 2020

**Topological Effects in the Standard Model:  
Instantons, Sphalerons and Beyond at LHC**

***QCD Instantons***

CERN, Zoom Only

# Wednesday 16 December

15:15

## QCD Instantons: Overview Talks

**Session** | **Location:** CERN, Zoom Only | **Convener:** Tancredi Carli

15:15–15:50 **Calculations of QCD Instanton Processes at Hera (30+10)**

**Speaker**

Andreas Ringwald

15:50–16:35 **New Calculations of QCD Instanton Processes at LHC (30+15)**

**Speaker**

Valentin V Khoze

16:35

16:45

## QCD Instantons: Round Table Discussion

**Session** | **Location:** CERN, Zoom Only | **Conveners:** Michelangelo Mangano, S. Moch

16:45–17:15 **Introduction to the discussion**

16:54–16:55 **Submitted Discussion Material**

**Speakers**

Michelangelo Mangano, S. Moch

**Subcontributions**

**Remarks on the systematics for QCD instanton cross sections at LHC**

**Speaker**

Michelangelo Mangano

**An Inherent Uncertainty of the Instanton Cross Section Calculation for DIS**

**Speaker**

Fridger Schrempp

**Main sources of theoretical systematics**

**Speaker**

Valentin V Khoze

18:00