



# Physical Research Laboratory, Ahmedabad

## Colloquium 20\_09

- Speaker:** Dr. Satyajit Seth  
Assistant Professor, Theoretical Physics Division, PRL, Ahmedabad
- Title:** "Precision @ LHC"
- Date and Time:** Wednesday, 11 November 2020, 16:00 – 17:00 hrs.
- YouTube Link:** <https://www.youtube.com/watch?v=s4YRStye0ZM&feature=youtu.be>

### Abstract

Precision calculation in the context of the Large Hadron Collider (LHC) is indispensable to understand and describe its experimental outcomes. To confirm a discovery and to reject a prediction or to put stringent bounds on it, such calculation plays an important role. In this colloquium, the nitty-gritty of such theoretical input - its utility and impact will be described.

### The Speaker

Dr. Satyajit Seth did his masters from IIT Kharagpur in 2008 and, Ph.D. at the Saha Institute of Nuclear Physics, Kolkata, in 2014. He has done his post-doctoral studies at the University of Mainz, Germany (2014-2017), and the University of Durham UK (2017-2020). Dr. Satyajit Seth recently joined the Theory division of PRL as Assistant Professor. He is a theoretical physicist with expertise in the area of perturbative Quantum Chromodynamics, the fundamental theory describing strong interaction physics, which is one of the four fundamental interactions of nature. His theoretical calculations are important for studying the properties of different particles within the standard model or beyond the standard model using colliders. Apart from giving lectures at many international conferences, he has many high standard publications in reputed international journals.

**ALL ARE WELCOME**

