

## **Session Program**

**10 November 2022**



# **Workshop on Applications of Artificial Intelligence and Machine Learning**

## ***Session-I***

Gargi Seminar Hall, Lecture Hall Complex  
IIT Indore

# Thursday 10 November

10:15

## Session-I

**Session** | **Location:** Gargi Seminar Hall, Lecture Hall Complex, IIT Indore | **Convener:** Prof. Abhirup Datta

**10:15-11:00** Precision Cosmology via Machine Learning

**Speaker**

Dr Suman Majumdar

**11:00-11:15** Tea/Coffee Break

**11:15-11:35** Quantum Machine Learning for High Energy Physics

**Speaker**

Hasan Mustafa

**11:35-11:55**

**Prediction for impact parameter and transverse sphericity in heavy-ion collisions at the LHC**

**Speaker**

Neelkamal Mallick

**11:55-12:15**

**A deep neural network based estimator for elliptic flow in heavy-ion collisions**

**Speaker**

Suraj Prasad

**12:15-12:35**

**Polarisability of Metal clusters using Artificial Neural Network**

**Speaker**

Perna Pahwa

**12:35-13:00**

**Discussion Session**

13:00