

# **IN2P3/IRFU Machine Learning workshop**

**mercredi 22 janvier 2020 - jeudi 23 janvier 2020**

**CC-IN2P3**

## **Programme Scientifique**

The following, non-unique, tracks have been defined

**ML for data reduction : Application of Machine Learning to data reduction, reconstruction, building/tagging of intermediate object**

**ML for analysis : Application of Machine Learning to analysis, event classification and fundamental parameters inference**

**ML for simulation and surrogate model : Application of Machine Learning to simulation or other cases where it is deemed to replace an existing complex model**

**Fast ML : Application of Machine Learning to DAQ/Trigger/Real Time Analysis**

**ML algorithms : Machine Learning development across applications**

**ML infrastructure : Hardware and software for Machine Learning**

**ML training, courses and tutorials**

**ML open datasets and challenges**

**ML for astroparticle**

**ML for experimental particle physics**

**ML for nuclear physics**

**ML for phenomenology and theory**

**ML for particle accelerators**

**Special contribution**