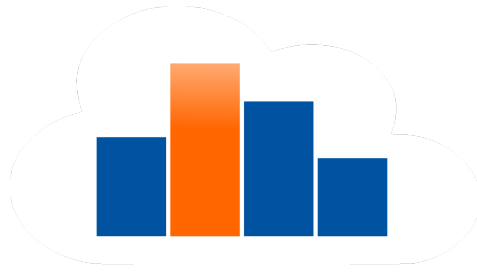


SWAN Users' Workshop



Contribution ID: 20

Type: **not specified**

SWAN for HGCAL beam test analysis

Friday, 11 October 2019 10:55 (20 minutes)

The CMS detector at the Large Hadron Collider (LHC) is currently being upgraded in the context of the future High-Luminosity (HL-LHC) phase, which will integrate 10 times the LHC luminosity. The CMS experiment plans to replace the current endcap calorimeter with a high granularity calorimeter (HGCAL).

In this talk I will focus on my personal usecase concerning the HGCAL test beam data analysis using the Jupyter notebook interface. I will describe the main tools used for the analysis, as well as the SWAN's functionalities which have been useful during my work. I will also try to point out which are the main SWAN-related problems and issues than an analyzer may have to face while using this platform.

Primary author: BONANOMI, Matteo (Centre National de la Recherche Scientifique (FR))

Presenter: BONANOMI, Matteo (Centre National de la Recherche Scientifique (FR))

Session Classification: User's use cases