

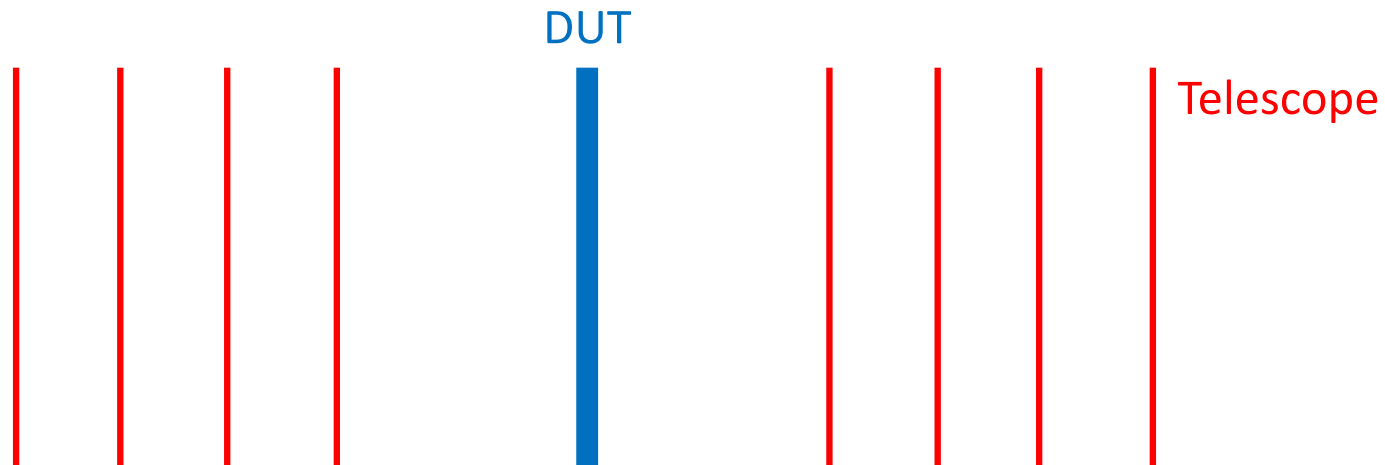
Status of the track reconstruction for the CERN telescope

C. Collard & J. Andrea
IPHC Strasbourg

22/02/2018

Introduction

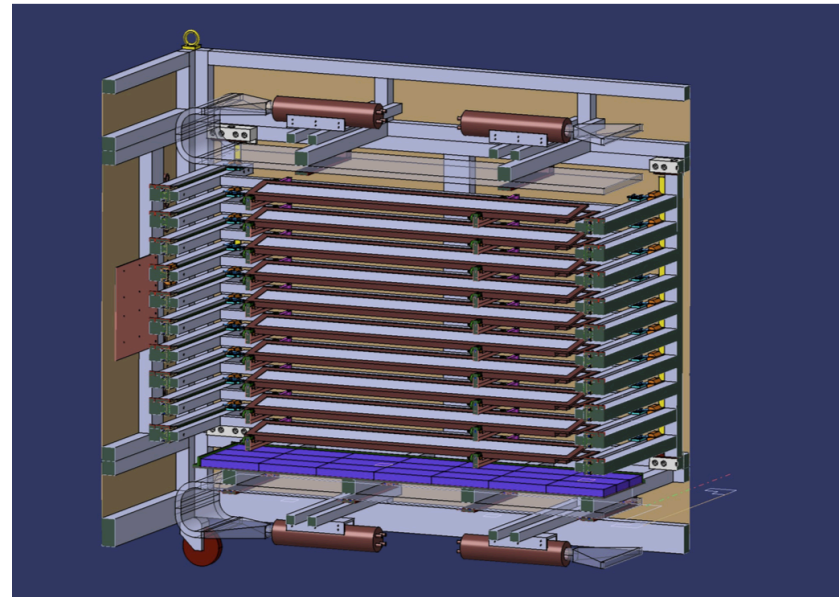
Our goal: Joint the effort on the new CERN Telescope (using Pixel Phase1, working with the LHC clock) for test beams



→ Work on the Track reconstruction and possibly also on the alignment.

1st idea

- As the simulation of the telescope is not ready yet, to start working on the project we need to find another environment.
- 1st idea : the **cosmic rack**, composed of 10 TOB layers, no magnetic field
- The problem : to get a working CMSSW set-up to start with...
- Progress very slow from the c-rack team...



2nd idea

- Use **cosmic CRUZET data** (cosmic muon inside the full CMS detector, no magnetic field) to exercise ourselves with the tracking :
 - how to configure the seeding,
 - duplicate the tracking module to adapt it to the case of the telescope
- Status: on-going...