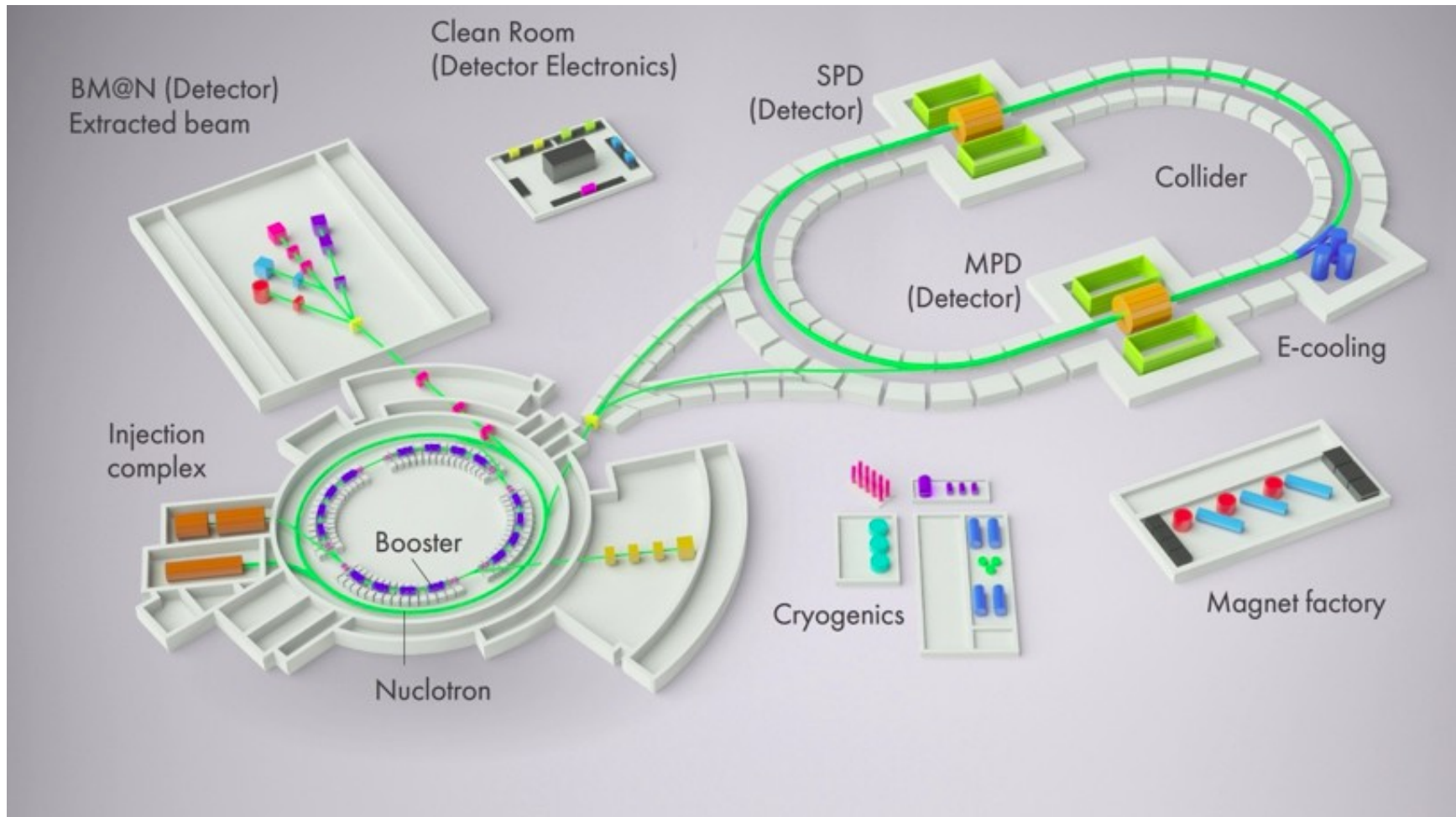


BM@N on-line monitoring development

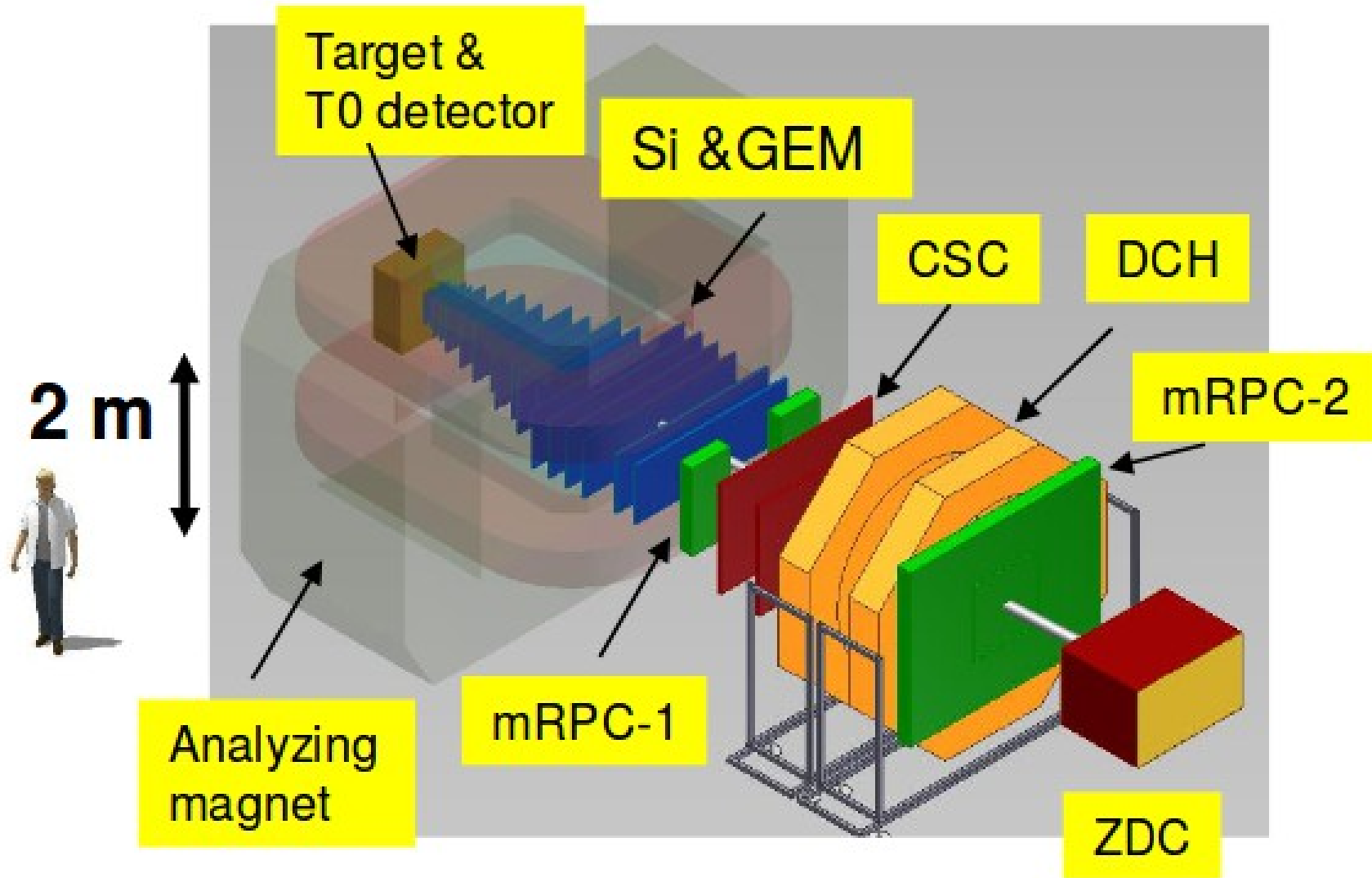
Tomasz Bałdyga
Faculty of Physics
Warsaw University of Technology
TeFeNICA, Dubna 2018

Scheme of NICA complex



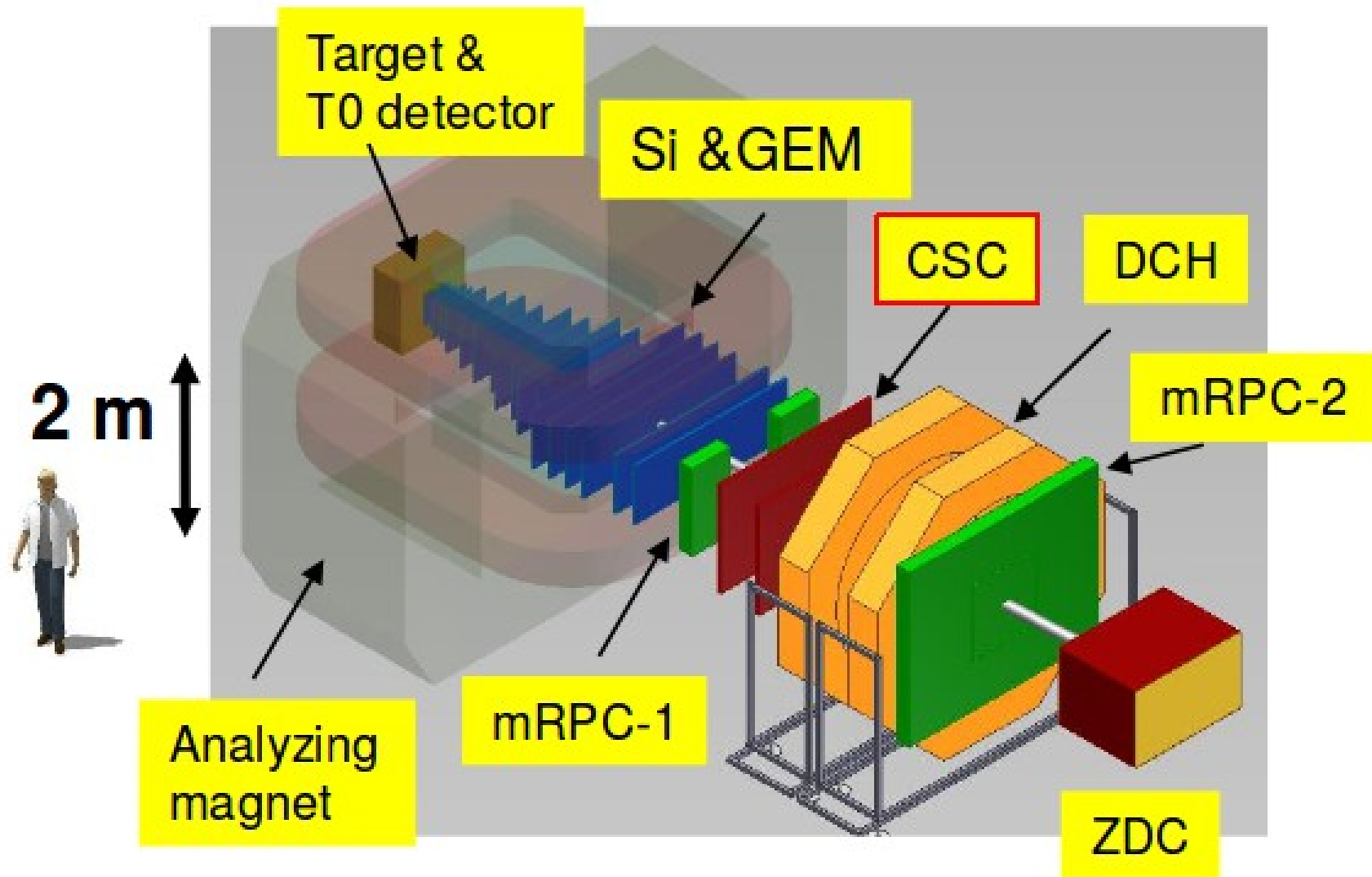
- Figure 1. „NICA scheme”, [online], <http://nica.jinr.ru/images/slider/scheme.jpg>

Scheme of BM@N detector



- Figure 1. „BM@N scheme”, [online], <https://indico.jinr.ru/getFile.py/access?contribId=50&resId=0&materialId=slides&confId=541>

My task was about CSC detector




- Figure 1. „BM@N scheme”, [online], <https://indico.jinr.ru/getFile.py/access?contribId=50&resId=0&materialId=slides&confId=541>

What monitoring online is?

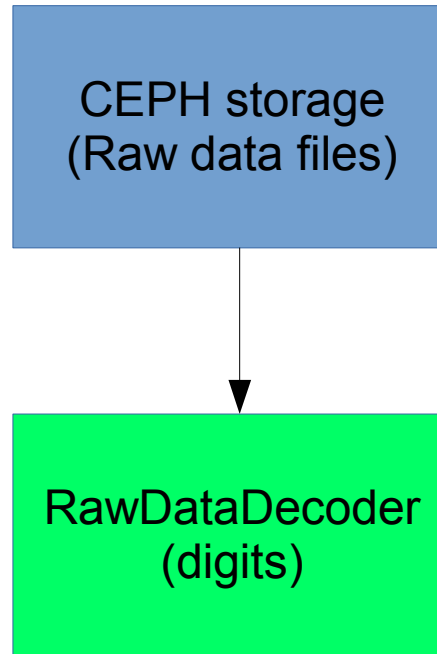
Uniform for all detectors, fast and convenient tool to monitor experimental facility.

Monitoring overview

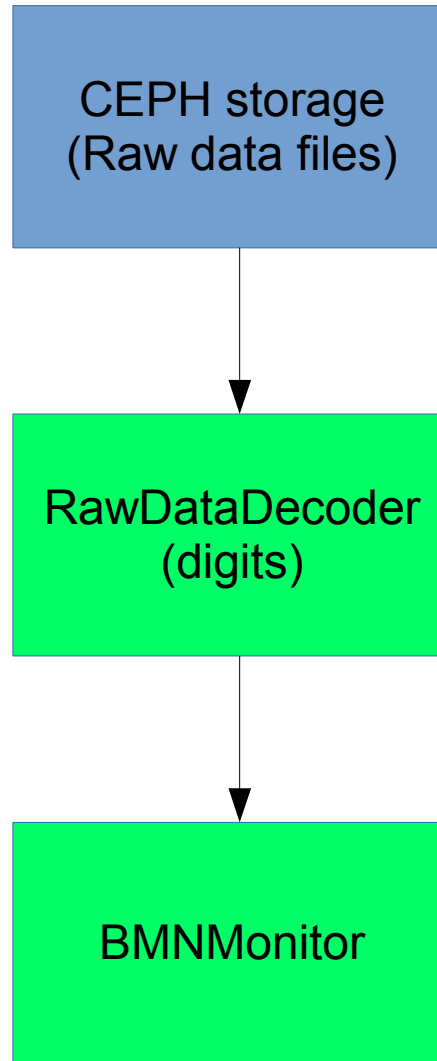


CEPH storage
(Raw data files)

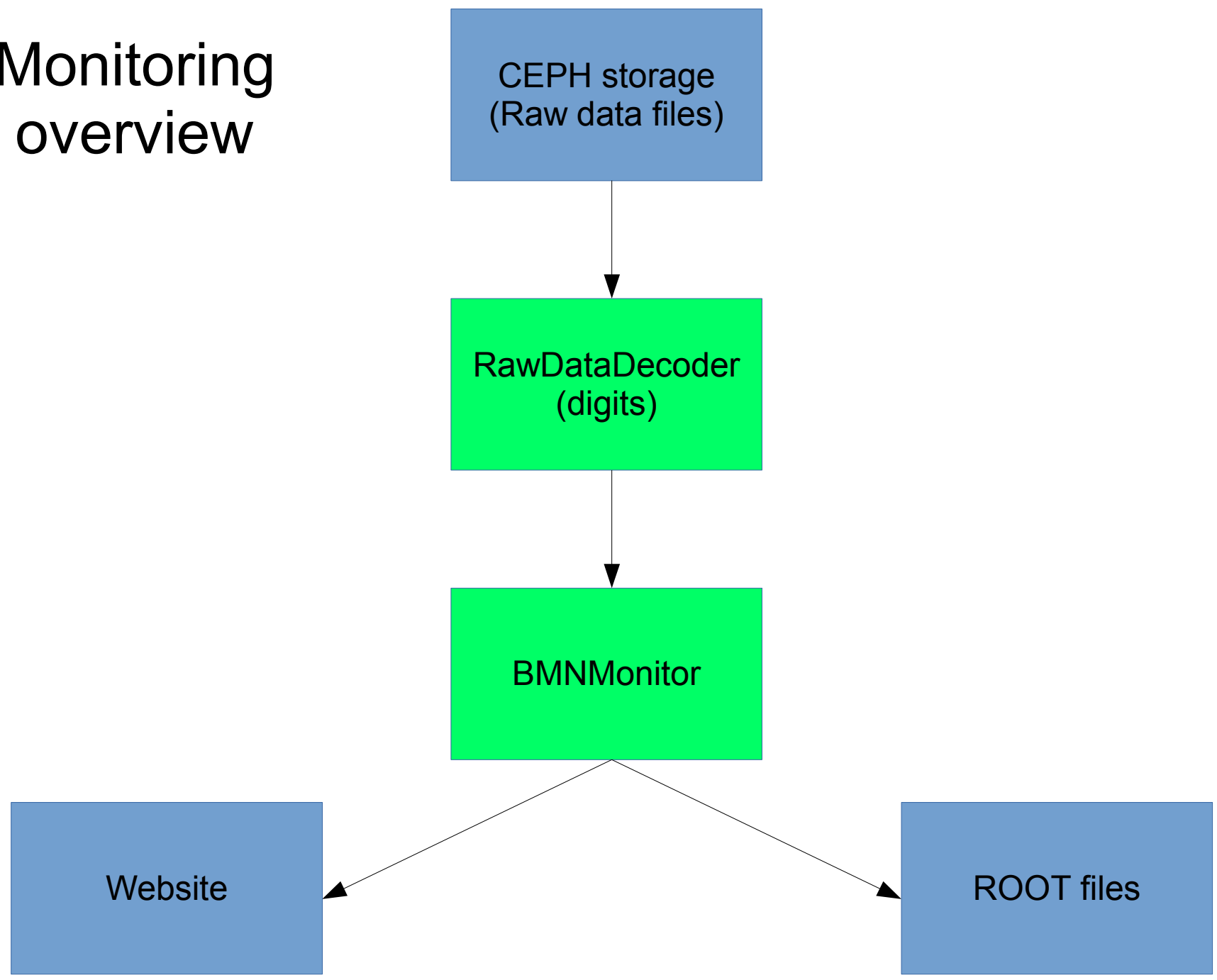
Monitoring overview



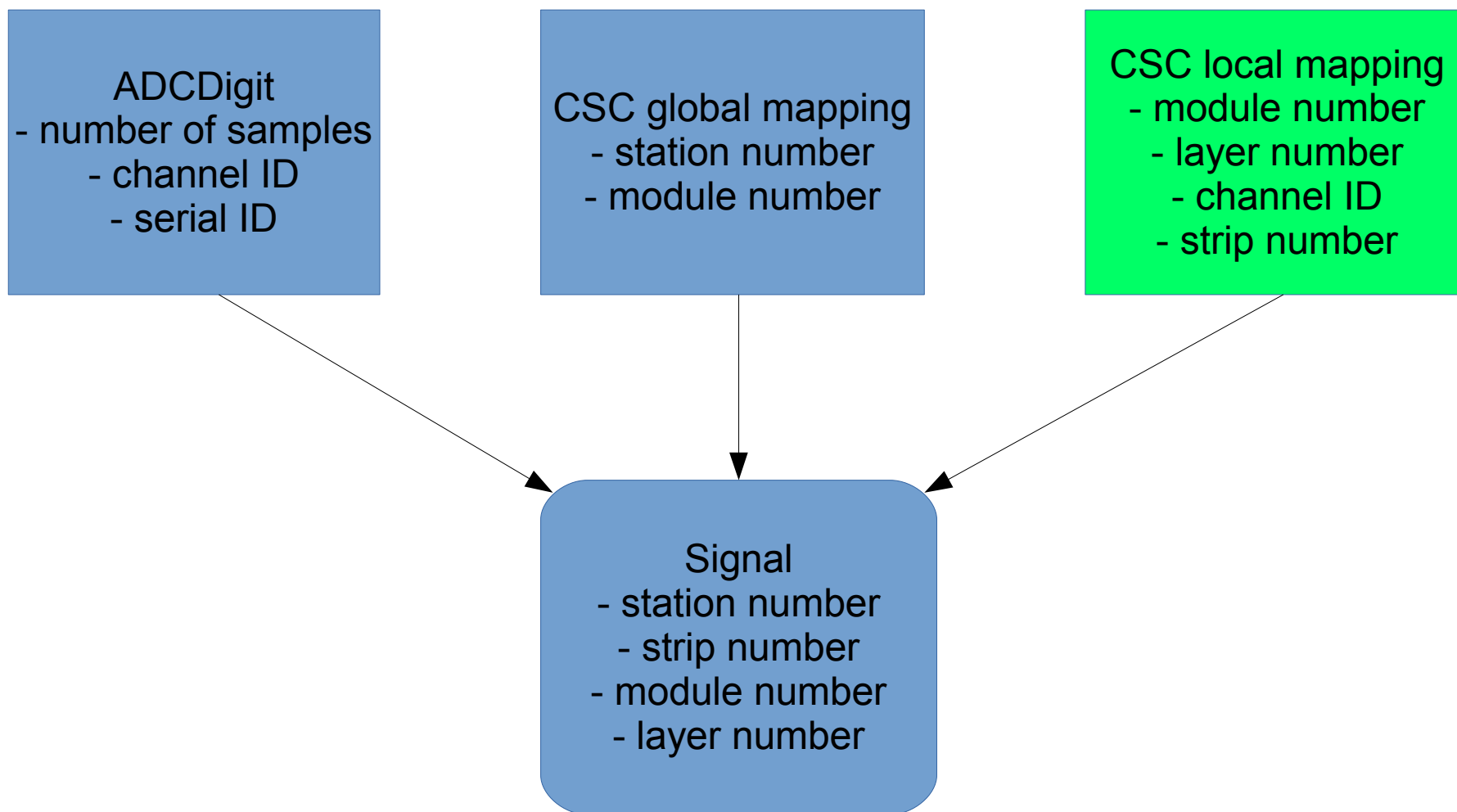
Monitoring overview



Monitoring overview

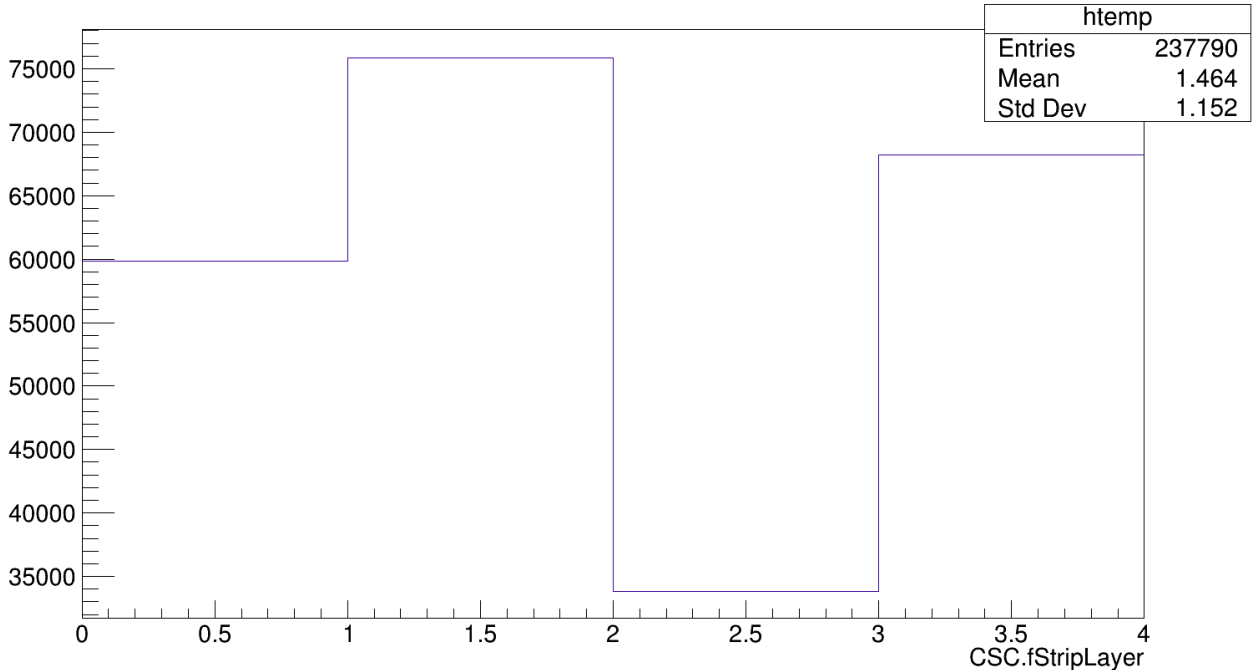


Decoding for CSC detector overview

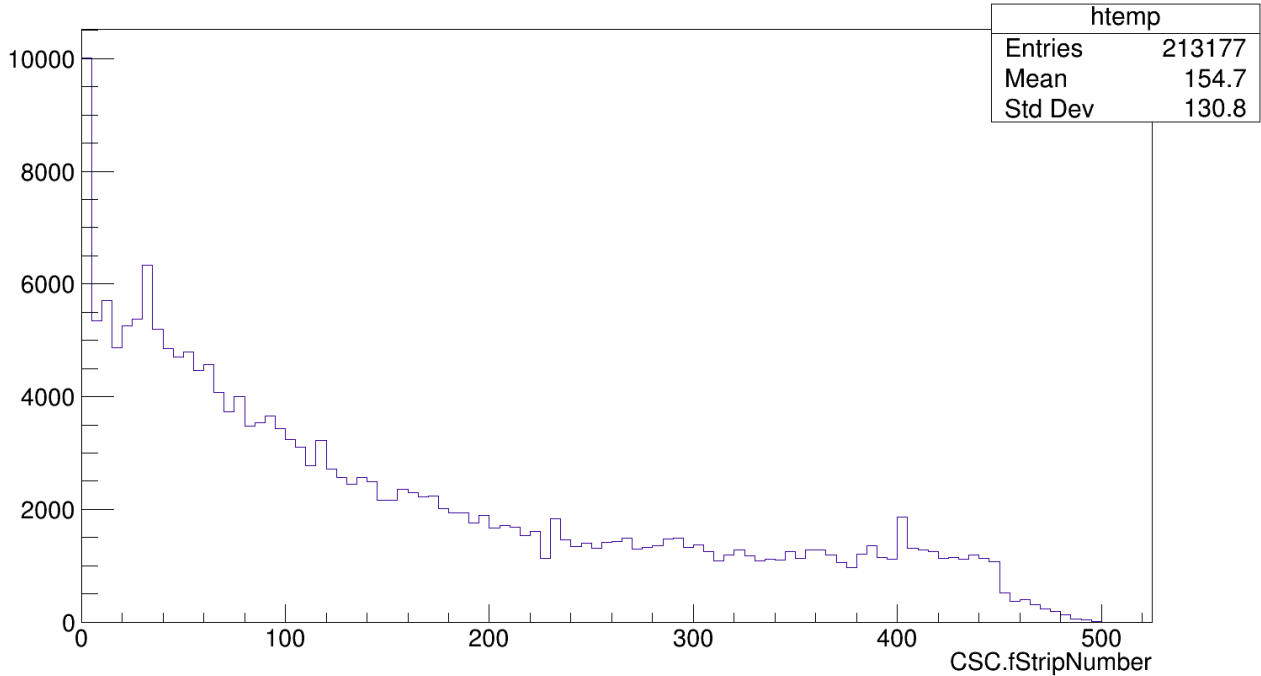


Example histograms from root file

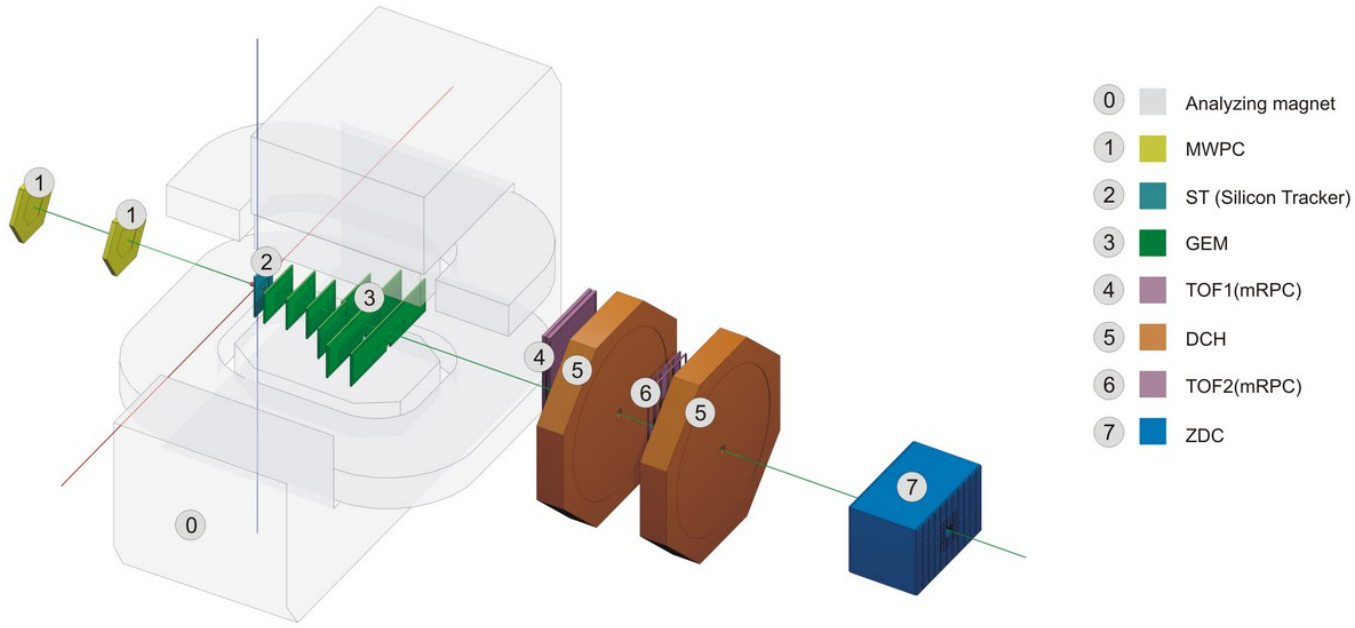
CSC.fStripLayer {CSC.fModule ==0}



CSC.fStripNumber {CSC.fModule ==1}



BM@N: Winter Run in 2016



BM@N CSC

Run: 4751

Energy: 2.30

Event: 118900

Beam: Kr

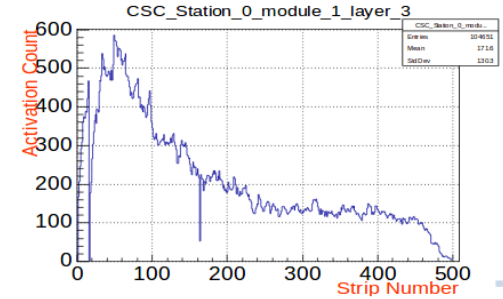
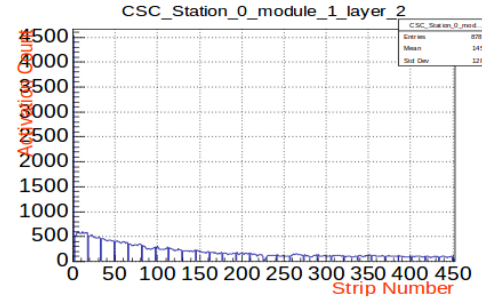
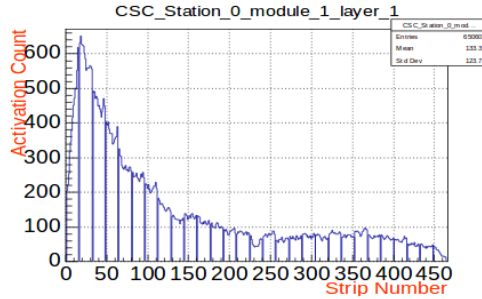
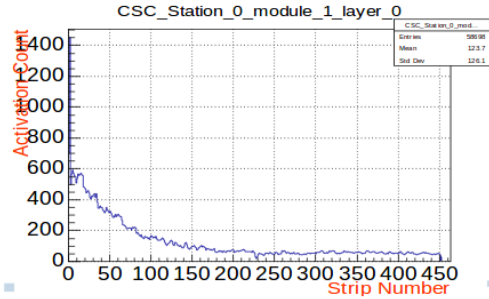
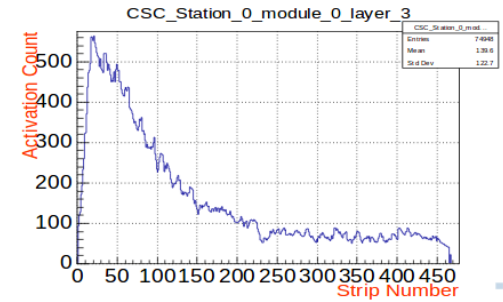
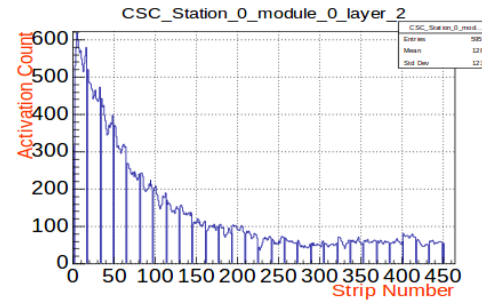
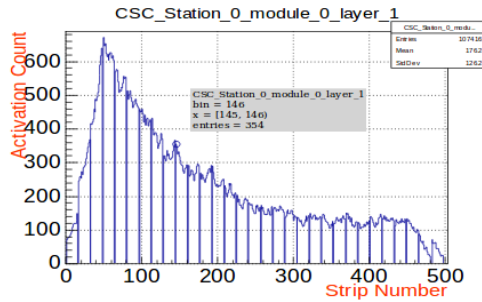
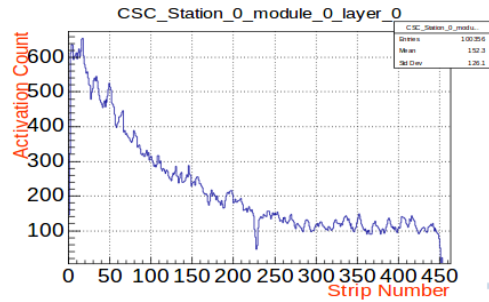
Run Type: beam

Target:

Field Voltage: 83.93

Reset

Select Reference Run



Thank you for your attention