

Weekly Status Report

CEPC CMOS Pixel Sensor

- Test of B-matrix. First test (connection) was done. Now test @ material building.
- Data analysis (Yuhang)

CEPC Data Analysis

- Report on the Higgs Software Meeting (Maoqiang / Ryuta)
- Got several suggestions from the audience

08/10/2018

Plan for Next Week

Since many people will go to Weihai next week ,,

- CEPC Higgs Analysis

 - The next week's meeting is a target

- CEPC CMOS Pixel Sensor

 - Fix(or confirm) the firmware (Ryuta)

- Allpix2 ?

CMOS pixel sensor

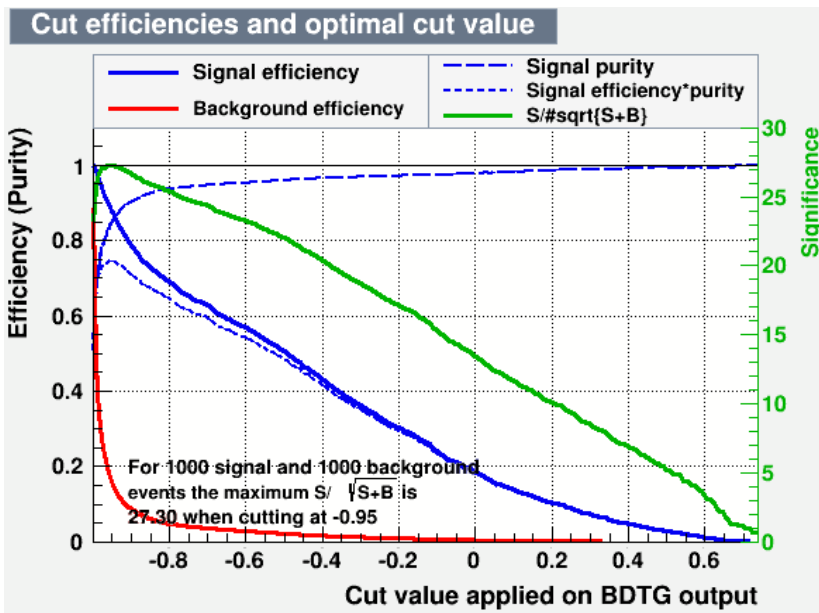
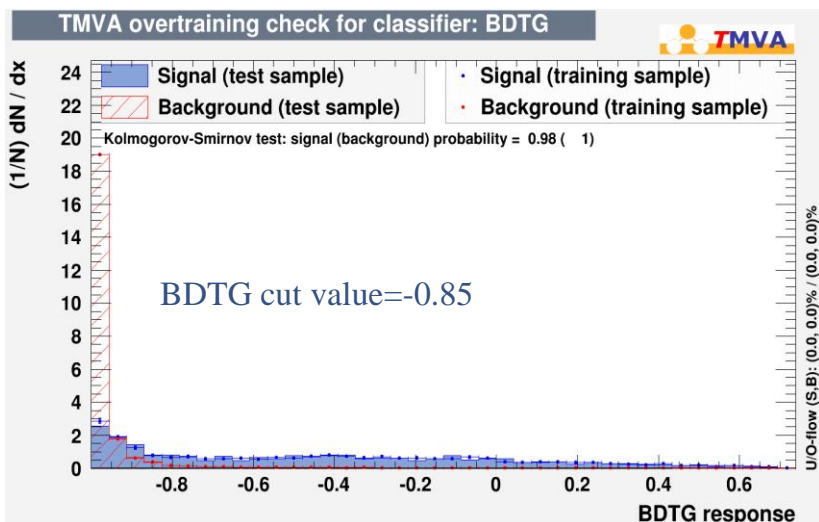
- Test with the B-matrix (new sensor/bonding board/firmware)
- Overall it seems working but still need confirmations, since some of the channels show strange noise as happened in the past.

CEPC Higgs->ZZ* analysis

- Run $e^+e^- \rightarrow ZH \rightarrow Z(-\rightarrow\mu\mu)H(-\rightarrow ZZ^* \rightarrow \nu\nu qq)$
- Check the background component
- Attend the CEPC software meeting

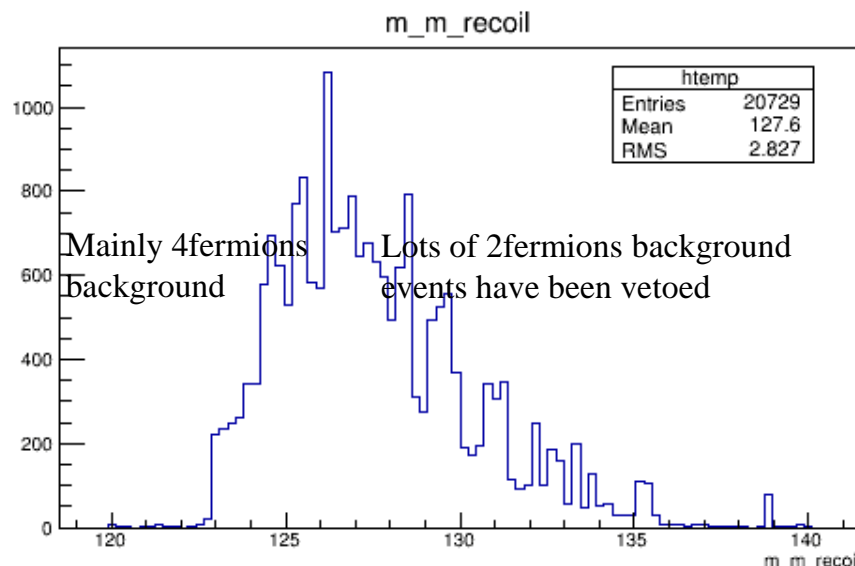
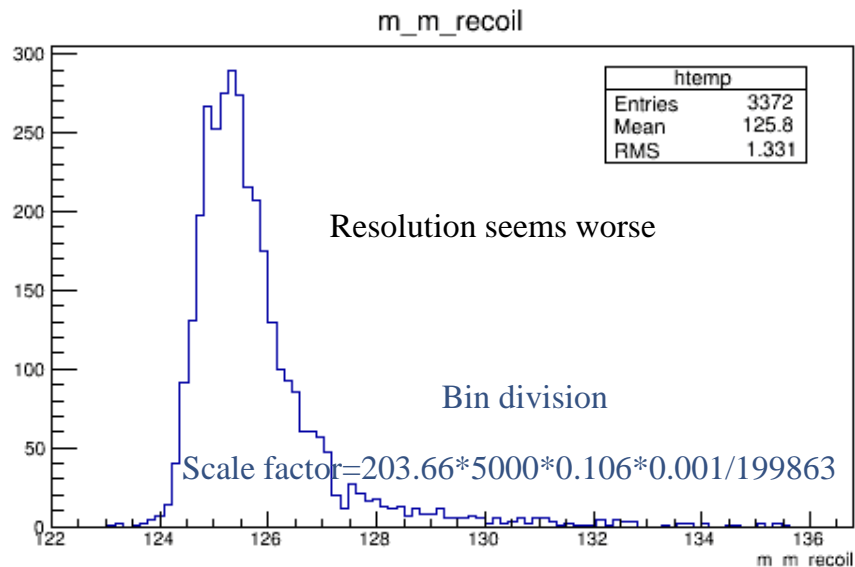
- Give a report on Thursday meeting

- BDT cut decision

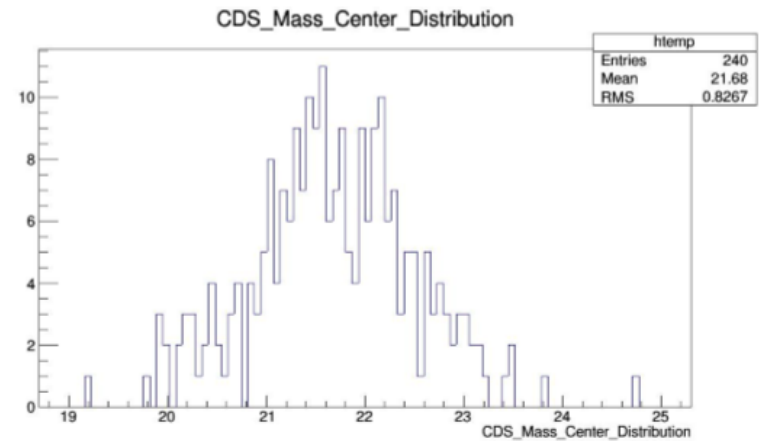
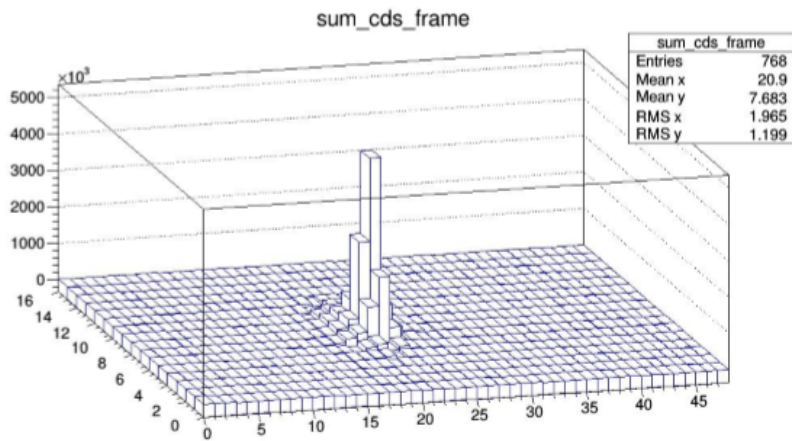


Fix a PID bug according to Kaili's suggestion

- Distribution after BDT cut



Tanyuhang's work:



(left)The a3 chip response to laser. The peak is the irradiation point of laser. (right) The distribution of irradiation center.

Next,I want to get an irradiation center of all the frame.

By Yuhang