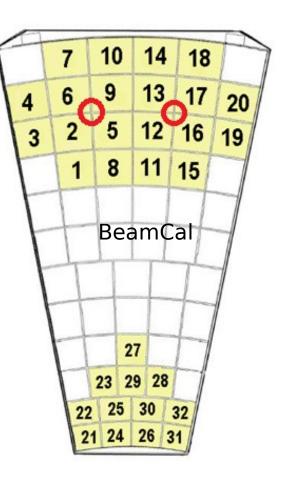
# Preliminary results of the test beam data analysis

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## Edge measurements

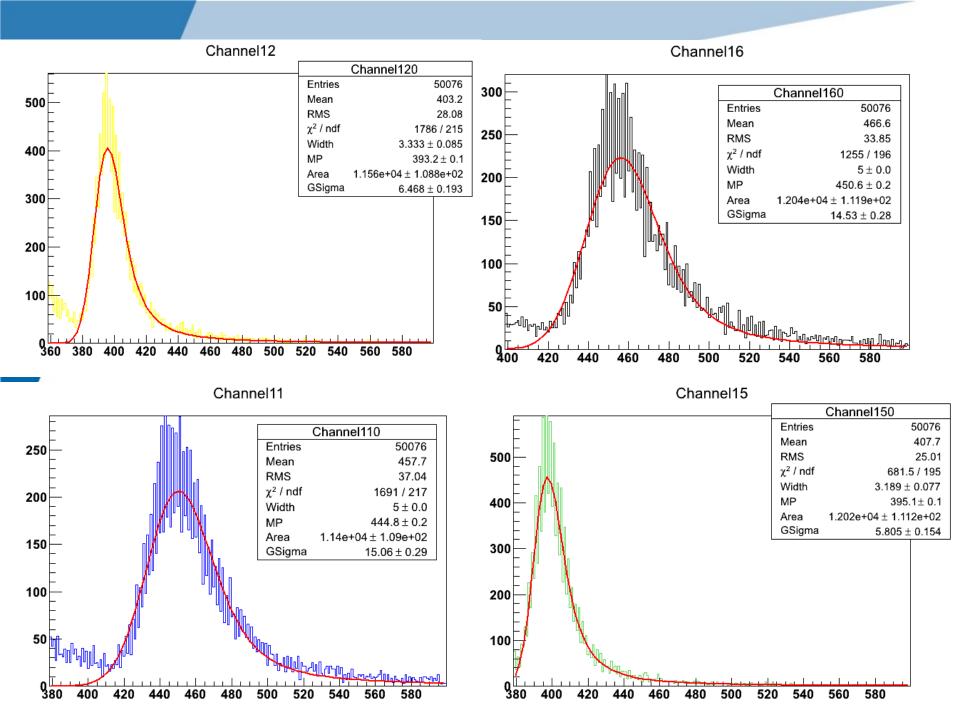
Studied the test beam data for pads: 12, 13, 16, 17 using raw files and old root files for run000400 to run000404.



## Edge measurements

#### Methods used to obtain the new root files:

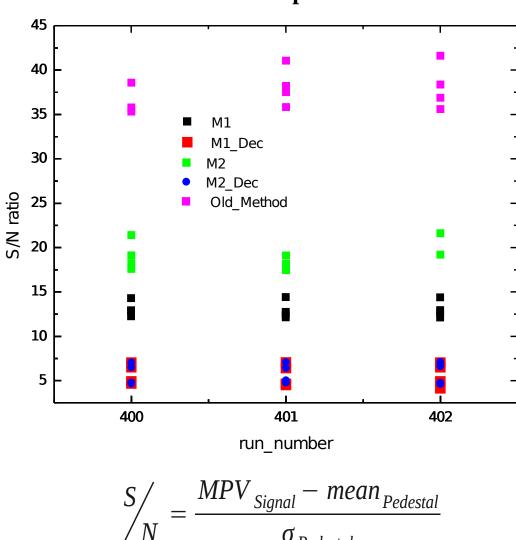
- **1. M1** using the mean value of the **P** and **S** between 22 to 30 samples without deconvolution;
- **2. M1\_Dec** using the mean value of the **P** and **S** between 22 to 30 samples with deconvolution;
- **3. M2** using the mean value of the **P** between 2 to 22 samples and for **S** between 22 to 30 samples without deconvolution;
- **4. M2\_Dec** using the mean value of the **P** between 2 to 22 samples and for **S** between 22 to 30 samples with deconvolution;



## Results

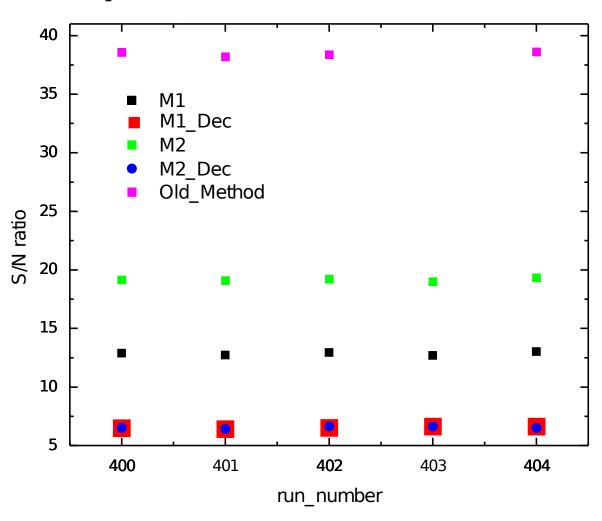
Method	S/N ratio
M1	13
M1_Dec	6
M2	19
M2_Dec	6
Old_Method	38

### S/N ratio on the 4 pads for 3 runs



$$/N$$
  $\sigma_{Pedestal}$ 

### One pad S/N ratio for 5 runs with different methods



#### Conclusions

- We estimate the signal to noise ratio for the first order pads;
- Preliminary results for S/N ratio with different algorithms were calculated;
- Measured data fitted very well to Landau convoluted with Gauss distribution;