ADC Spectra from BCM1F

Analysis of Data from 12th October

Maria Hempel CMS-FCAL weekly meeting

ADC Spectra and Definition of Parameters

Signal in channel 4



Pulse Height Spectrum for ch0 and different minsigwidth



- Two peaks
- First peak becomes smaller for higher minimum of signal width
- Second peak is around 6 ADC ch
- Second peak doesn't change the position



Pulse Height for different channels with a minimum signal width of 3ns

Two clear signals in ch0

Only one signal in ch1















- In some channels only one peak visible
- The Position of the peaks doesn't change

Next Steps

- Compare the data with previous ADC spectra
- See if the peak position changes --> radiation damage
- The HV was changed from 100V to 250V at the end of May
- Compare 2 different ADC spectra before May and two different spectra after May
- Working together with Moritz if we see radiation damage