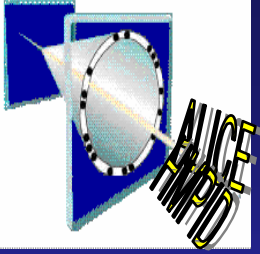
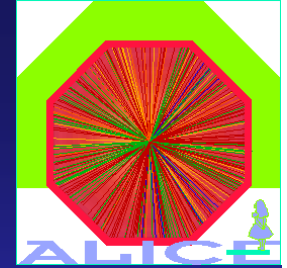


RICH calibration status

K. Shileev
INFN-Bari (Italy)
Alice-HMPID



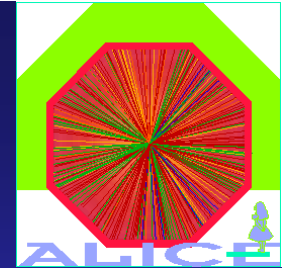
What affects what ?



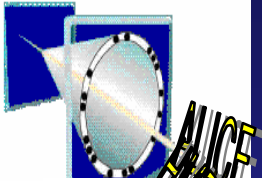
- $\text{RadRefIdx} = f(T) \rightarrow$ ring radius (AliRICHRecon)
- WinRefIdx (fixed) \rightarrow ring radius (AliRICHRecon)
- $\text{GapRefIdx} = f(p, T) \rightarrow$ ring radius (AliRICHRecon)
- $\text{GapGain} = f(p, T) \rightarrow$ MIP charge cut (AliRICHTracker)
- $\text{HV} = f(\text{run}) \rightarrow$ the same as above
- QE(almost fixed) \rightarrow photon cluster weight(AliRICHRecon)
- Pedestals / Dead map \rightarrow the same as above + cut



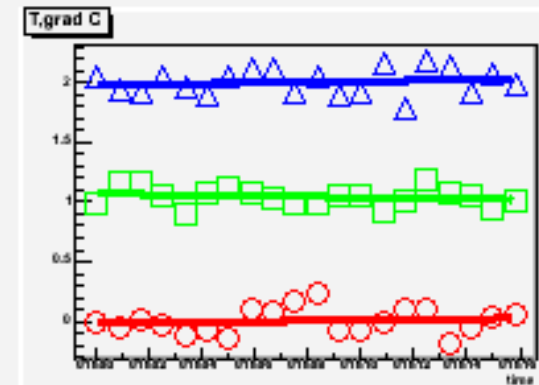
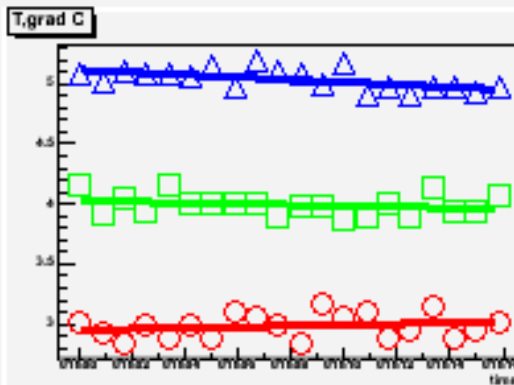
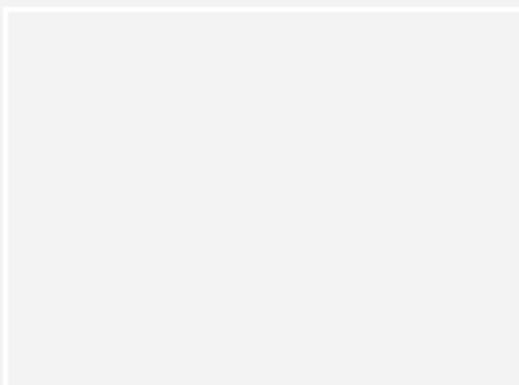
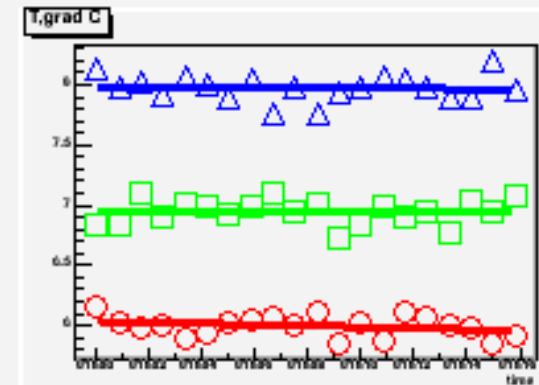
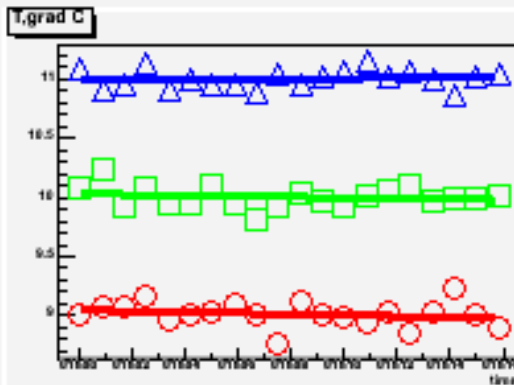
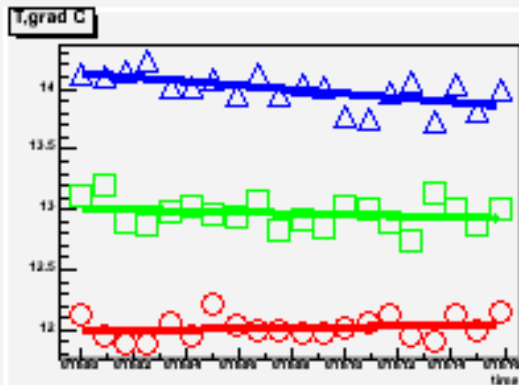
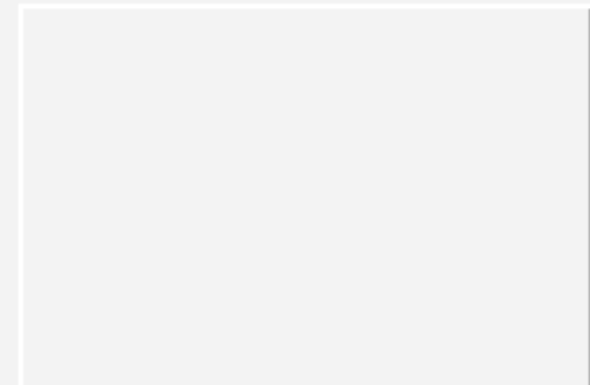
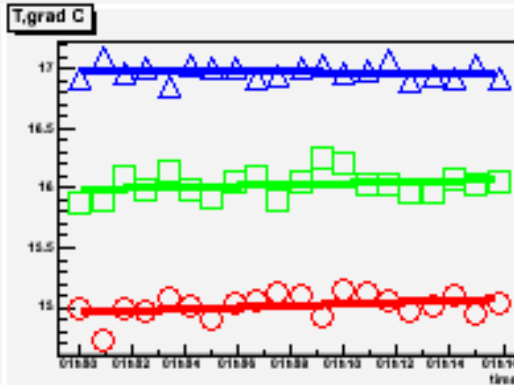
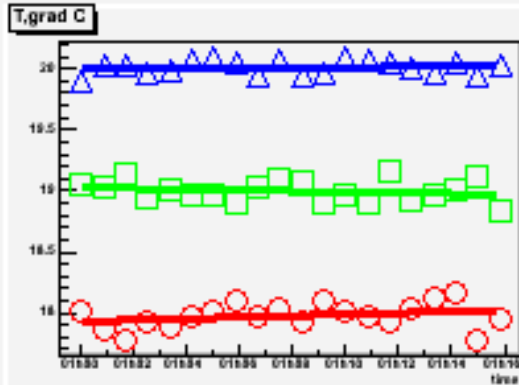
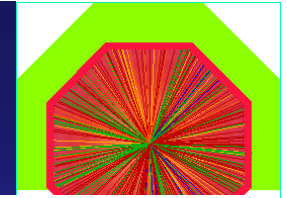
What to store in CDB?



- Rad Mean Ref Idx as TObjArray of TF1
- TF1 is $N_{\text{mean}}=f(\text{time})$
- Total size is $7*3*\text{sizeof}(\text{TF1}) + \text{few bytes}$
- HV as TObjArray of AliSimpleValue
- Size is $7*6*\text{sizeof}(\text{AliSimpleValue})$

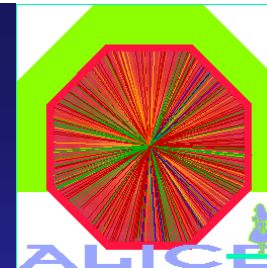


Rad Ref Idx 1

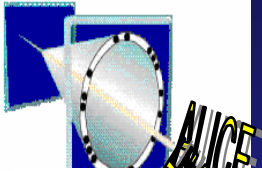




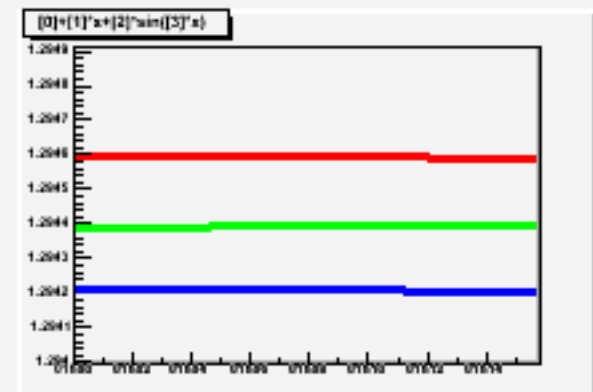
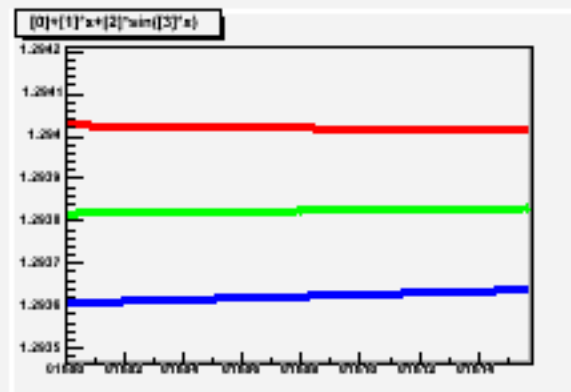
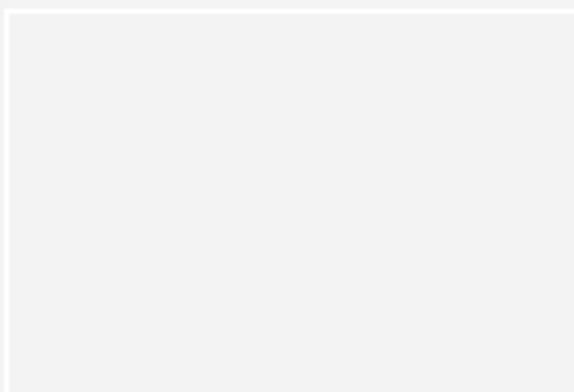
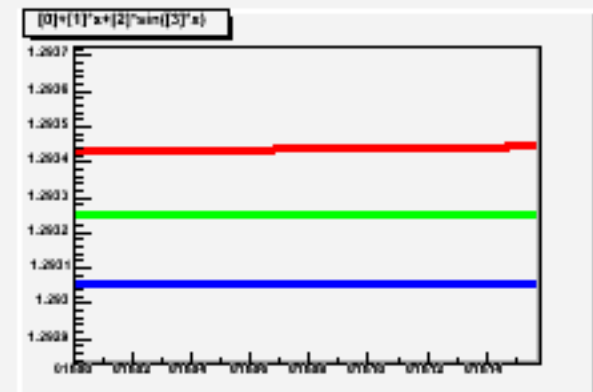
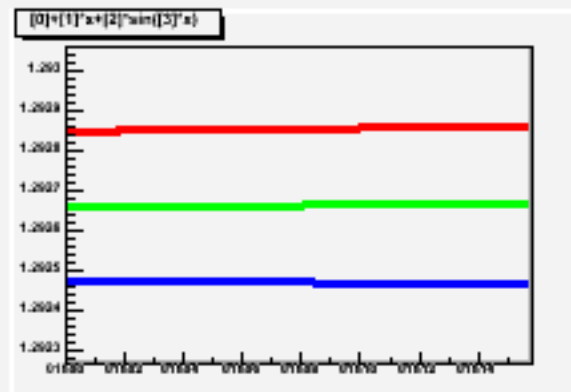
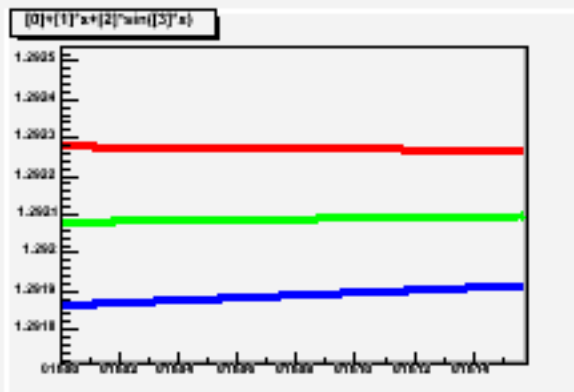
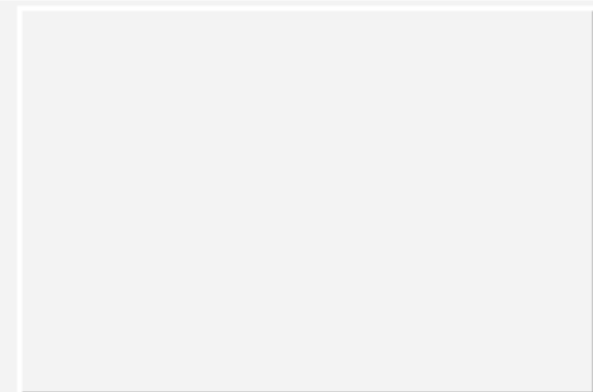
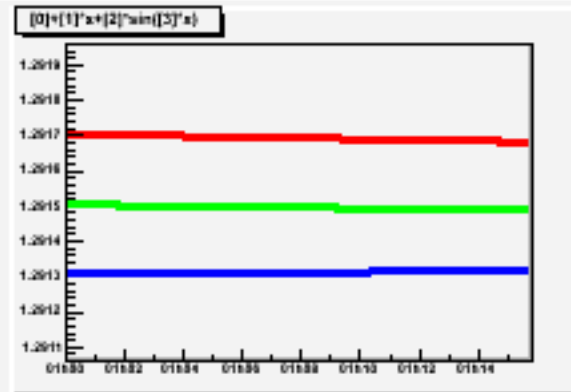
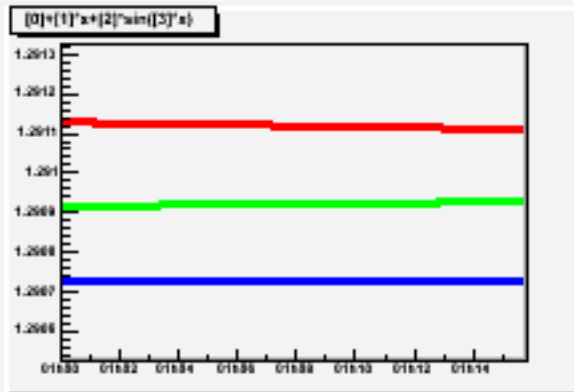
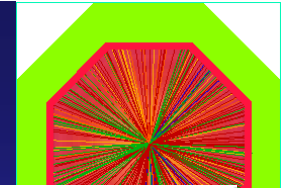
But...

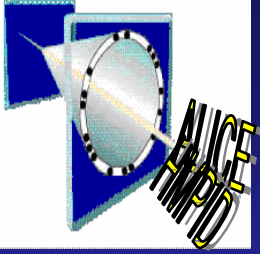


- MeanRefIdx is only needed
- Determine Emean in Preprocessor
- Store mean ref idx instead temp
- Needs to know transparency window

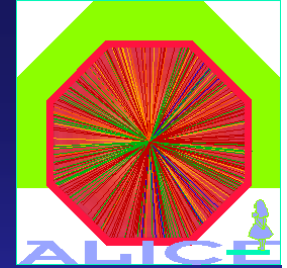


Rad Ref Idx 2

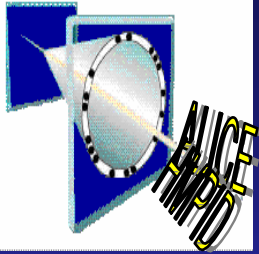




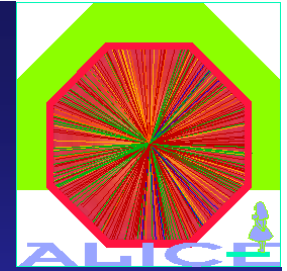
Pedestals



- Largest object
- Size $7*144*180*2$ floats
- Once per run
- Produced by standalone procedure on LDC
- Ascii files
- Technical details are under discussion in the HMPID group



Timetable



Few weeks after we have:

- detector connected
- DCS running
- SHUTTLE running
- LDC running
- pedestal producer discussed