

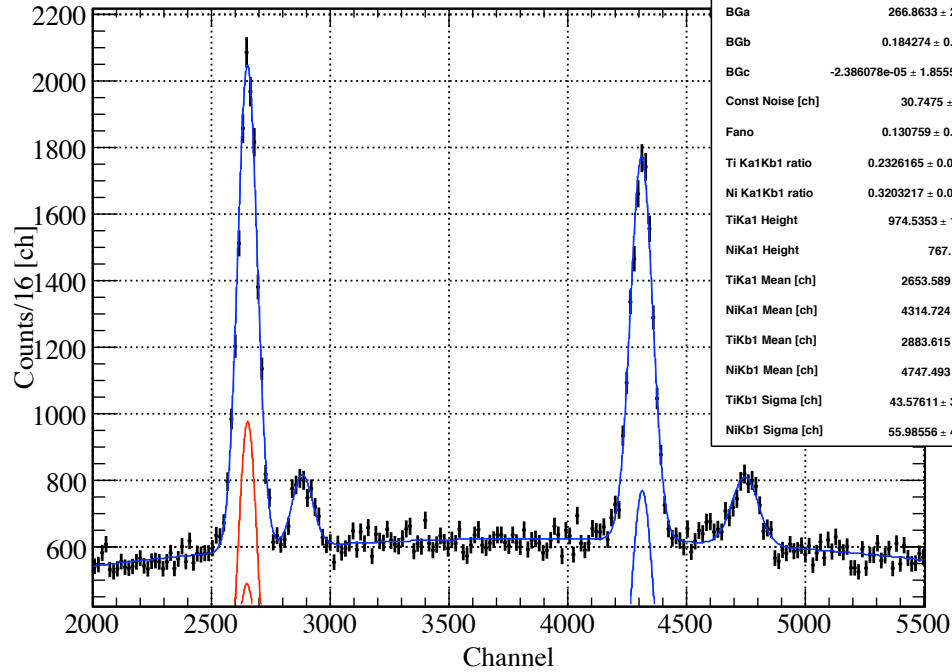
27/Nov/2006 H.Tatsuno

## FADC OUT Fitting (w/o Cu contamination)

### Summary

The Ni  $K\beta$  shifts are seen also in the FADC data  
(the waveform was fitted by pol-4 function)

out mean and noise free fit



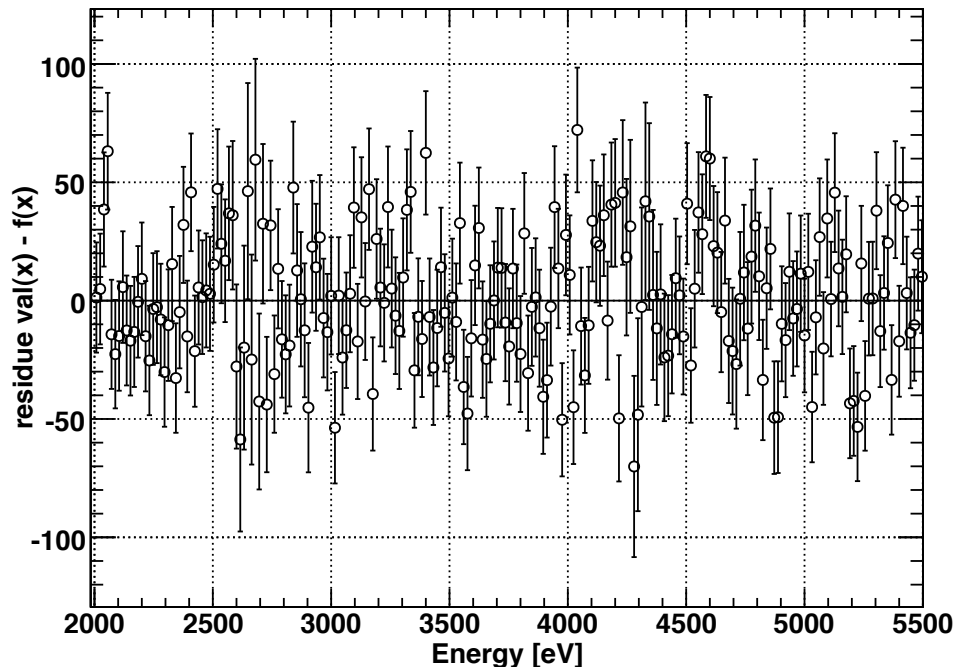
run 300-313

sdd2

self trigger spectrum

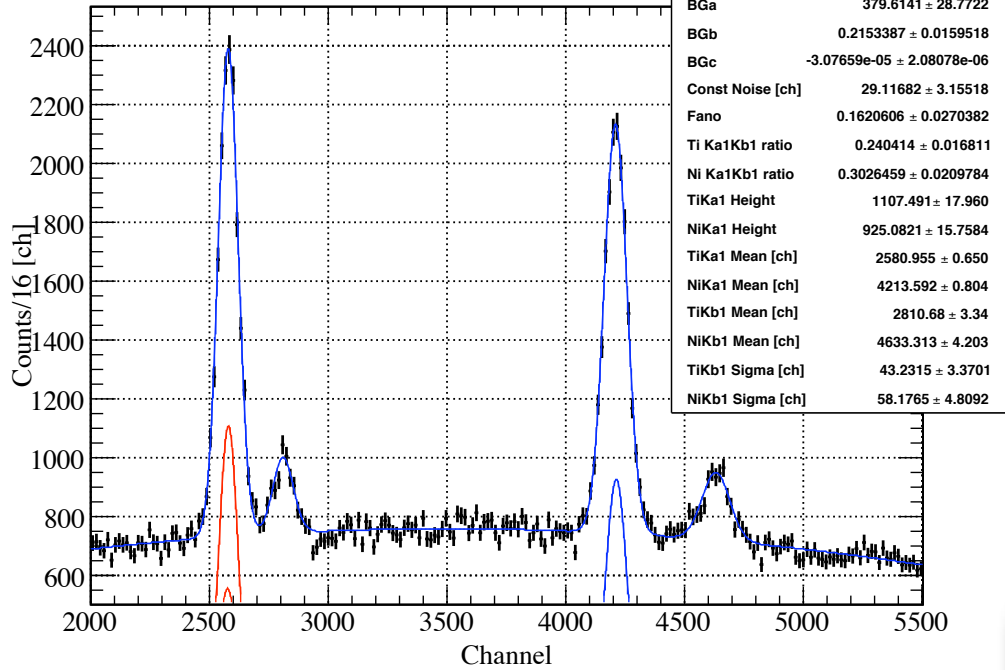
without CuKa contamination

fit residue



$K\beta$  sigma is free to separate  
off the ambiguity in  $K\beta$

out mean and noise free fit



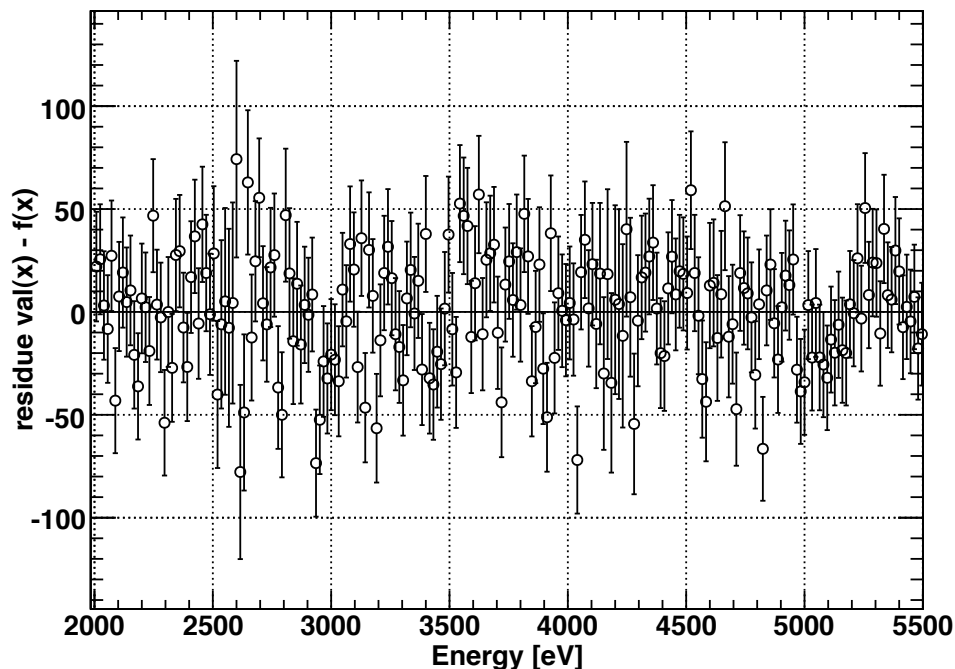
run 300-313

sdd4

self trigger spectrum

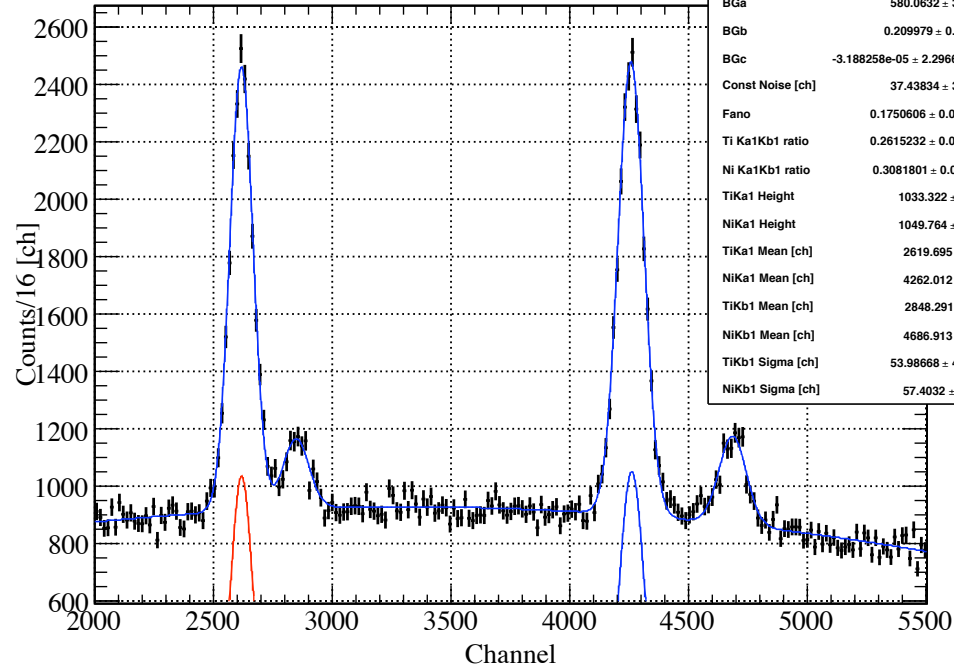
without CuKa contamination

fit residue



$K\beta$  sigma is free to separate  
off the ambiguity in  $K\beta$

out mean and noise free fit



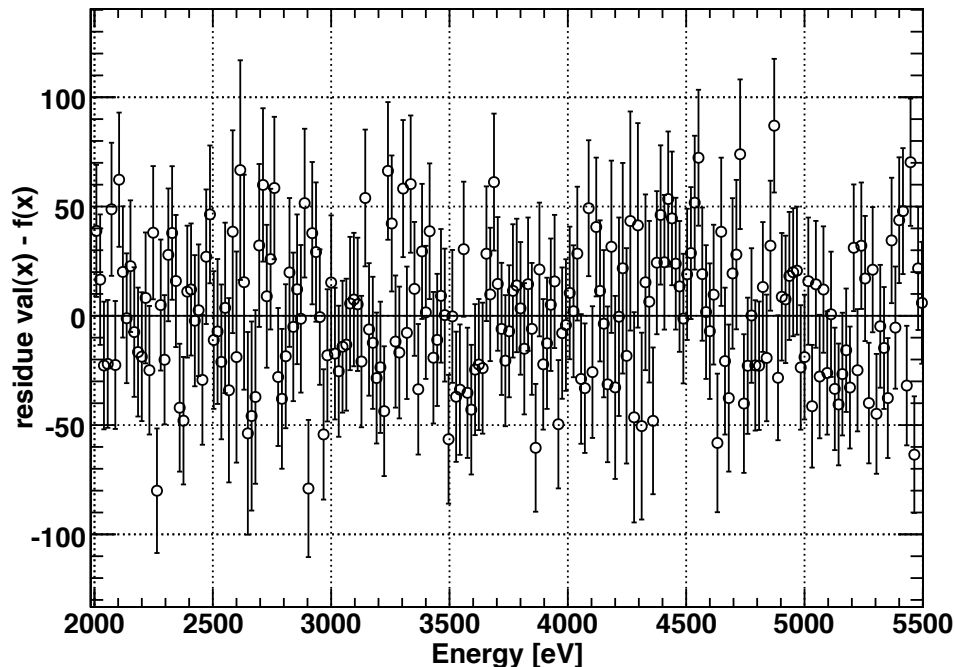
run 300-313

sdd5

self trigger spectrum

without CuKa contamination

fit residue



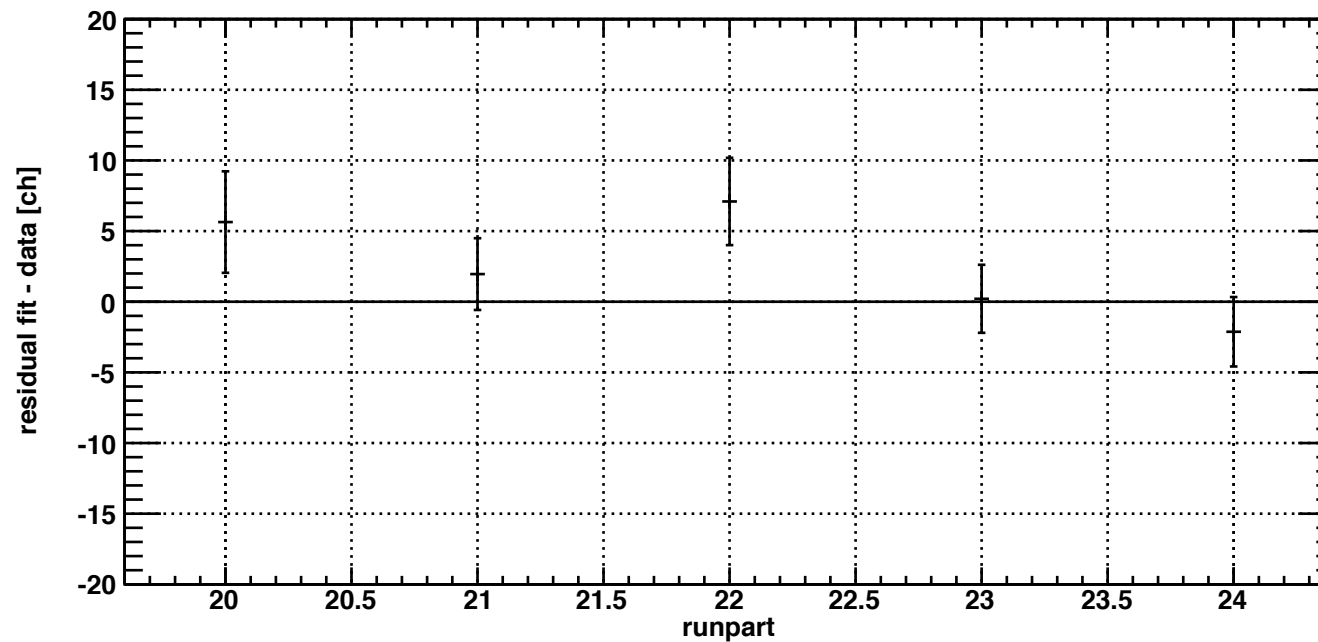
$K\beta$  sigma is free to separate  
off the ambiguity in  $K\beta$

## Without CuKa contamination

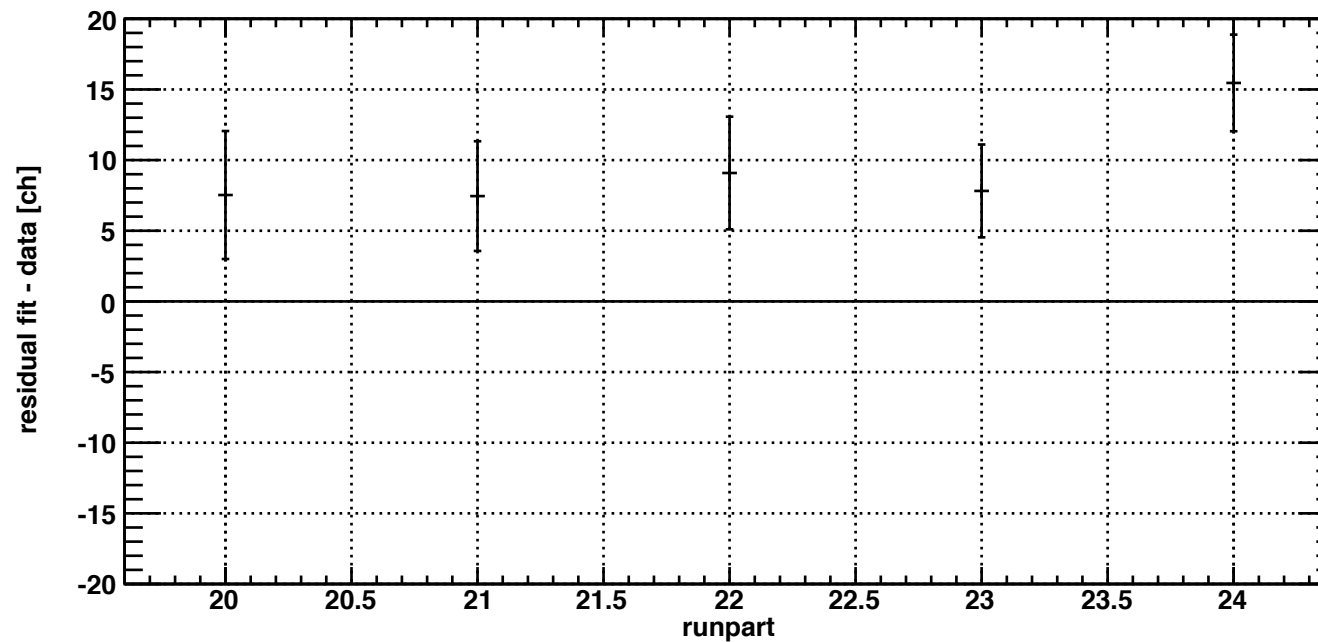
- FADC pre pedestal cut  $\leq \text{mean} + 2.5 * \text{sigma}$   
(sigma is the standard deviation of the pedestal: SDD dependence)

FADC OUT (pol4 fitted peak height)

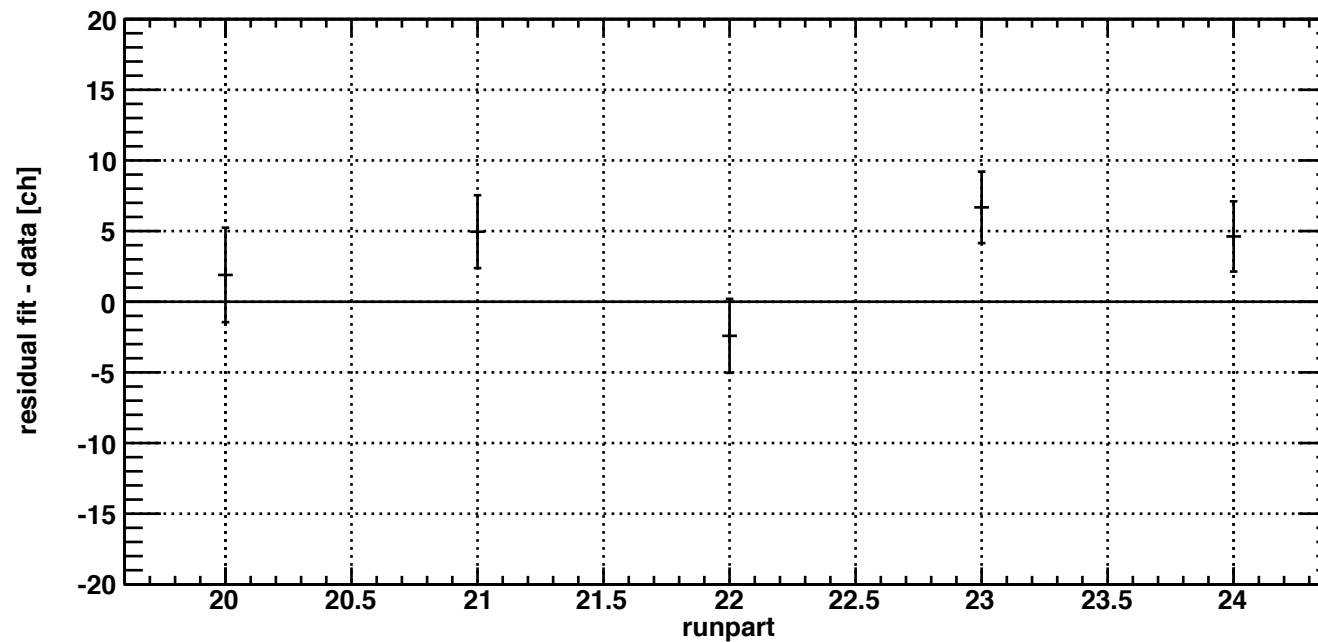
cycle1 out sdd2 TiKb1



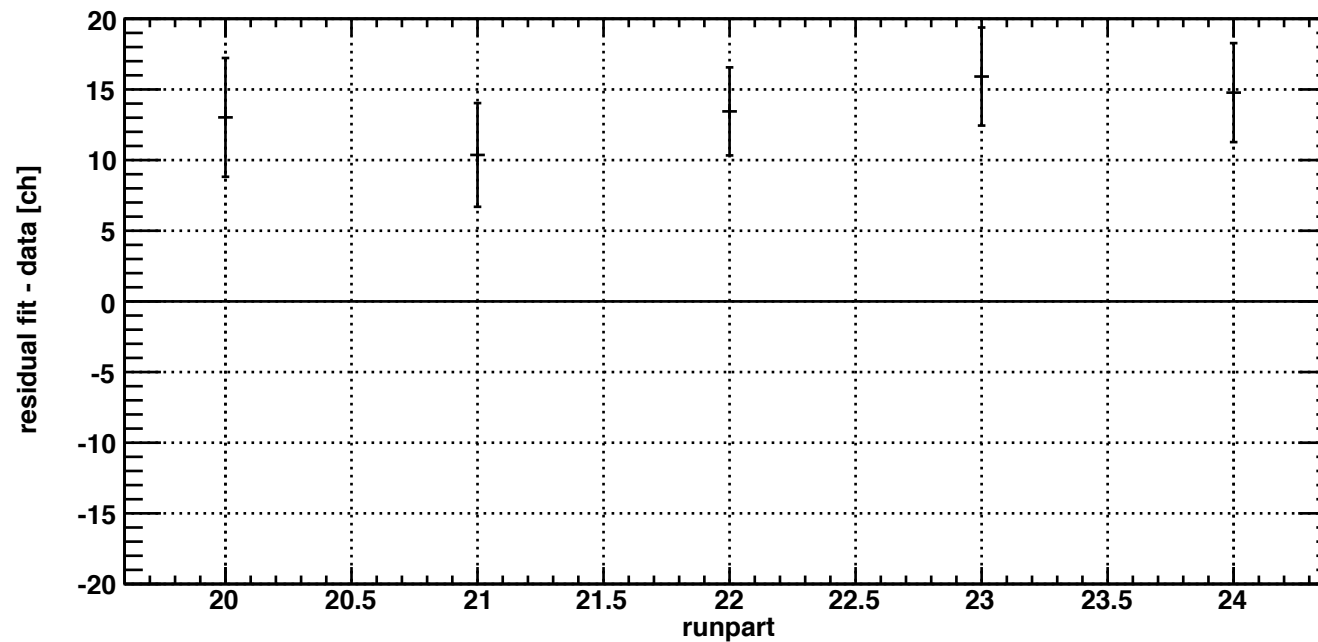
cycle1 out sdd2 NiKb1



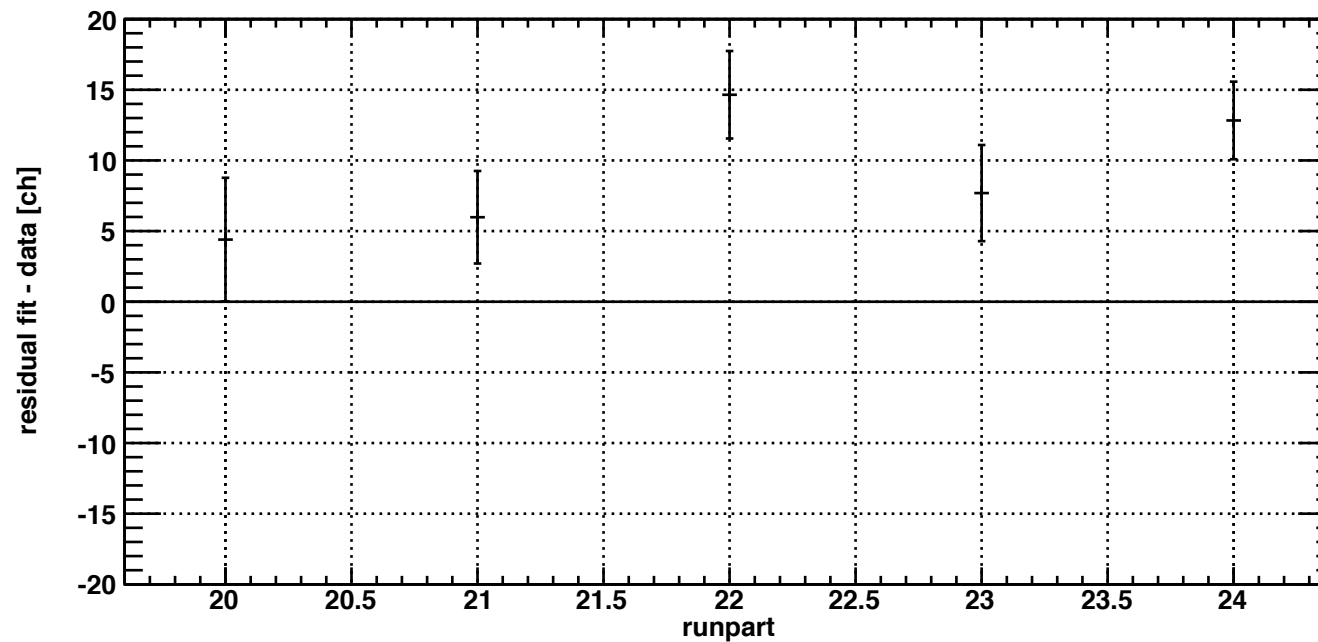
cycle1 out sdd4 TiKb1



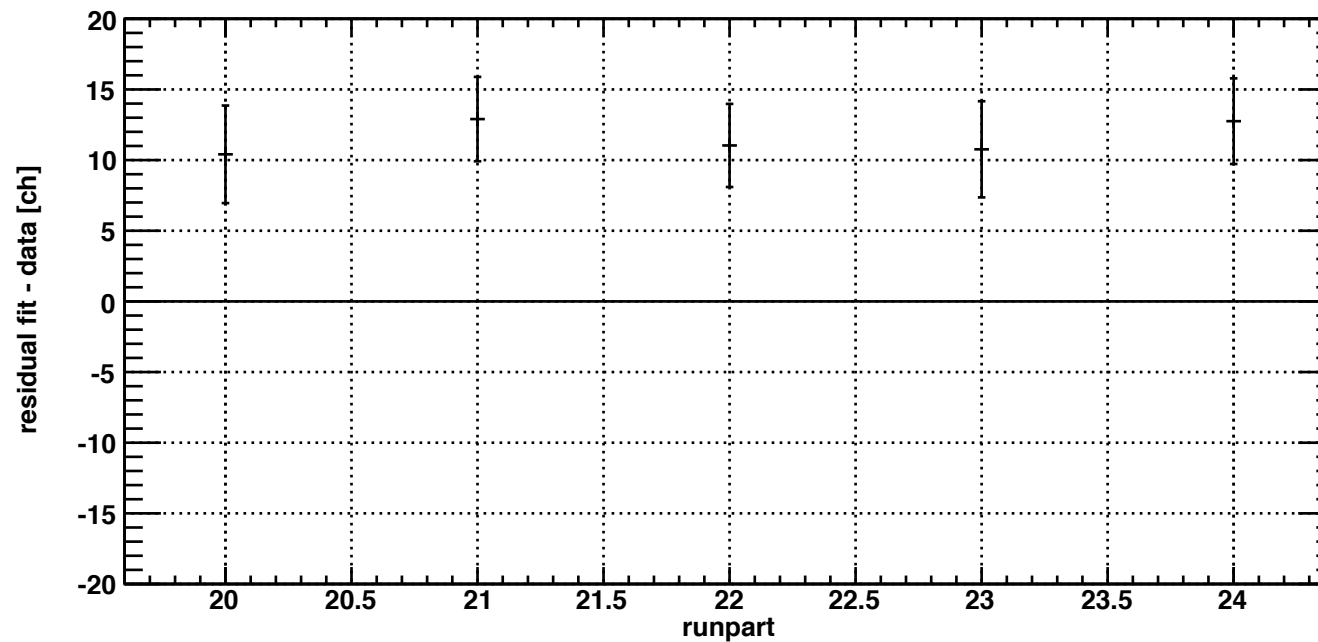
cycle1 out sdd4 NiKb1



cycle1 out sdd5 TiKb1



cycle1 out sdd5 NiKb1





## Without CuKa contamination

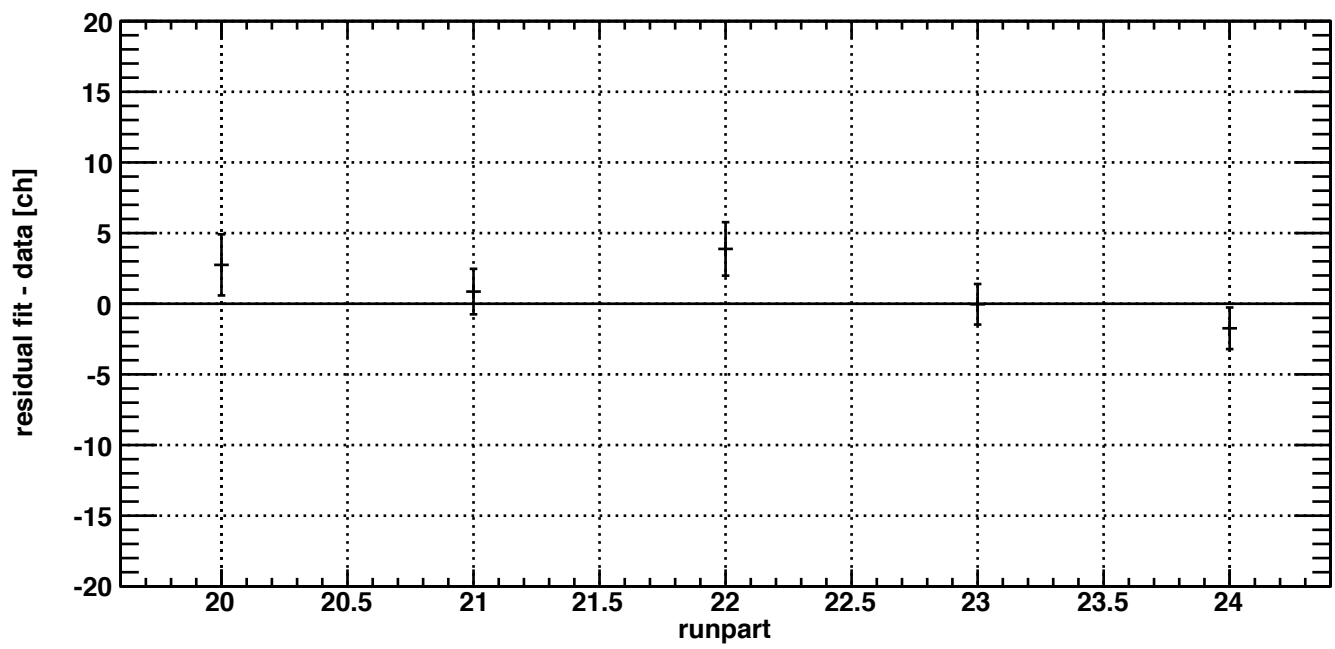
- FADC pre pedestal cut  $\leq \text{mean} + 2.5 * \text{sigma}$   
(sigma is the standard deviation of the pedestal: SDD dependence)

TKO ADC OUT

2.5 $\sigma$  cut

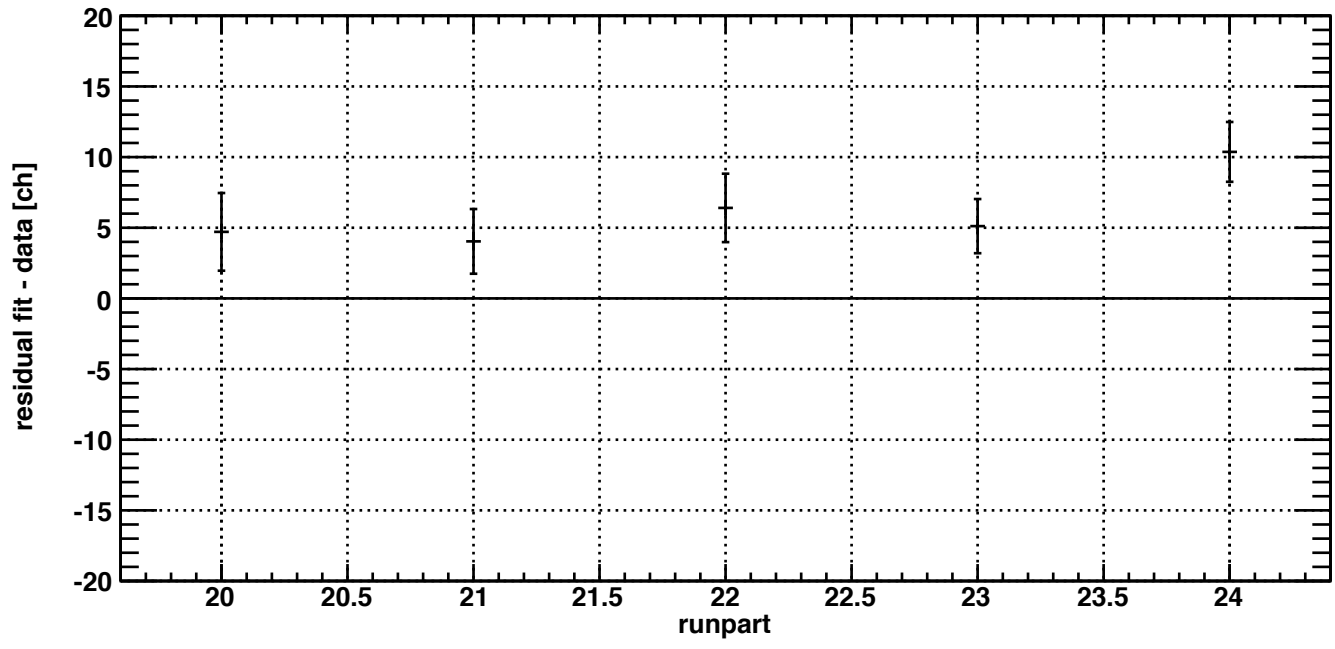
$\Delta$  ch

cycle1 out sdd2 TiKb1



$\Delta$  ch

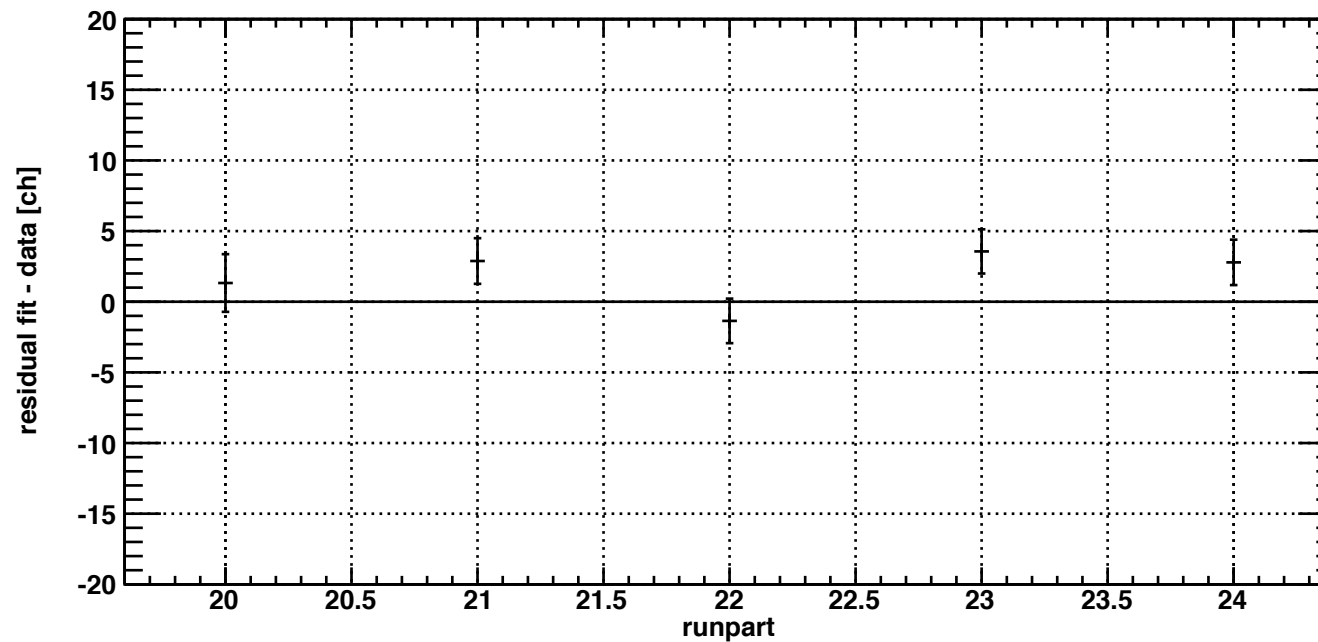
cycle1 out sdd2 NiKb1



2.5 $\sigma$  cut

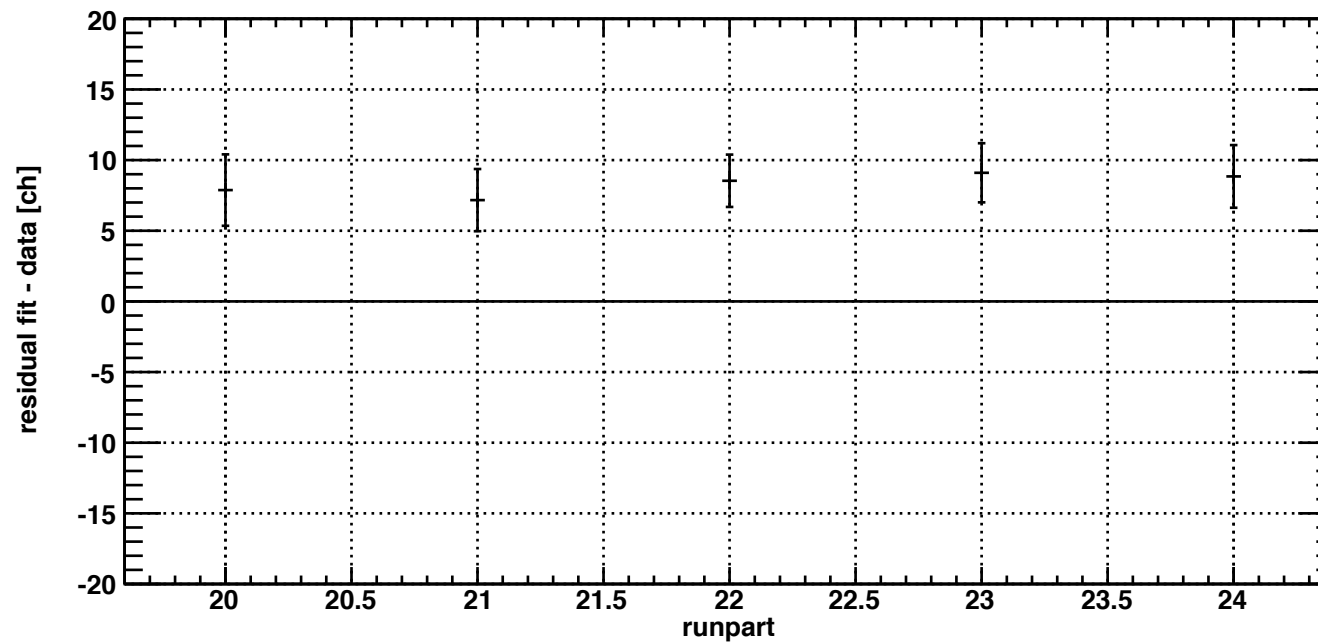
$\Delta$  ch

cycle1 out sdd4 TiKb1



$\Delta$  ch

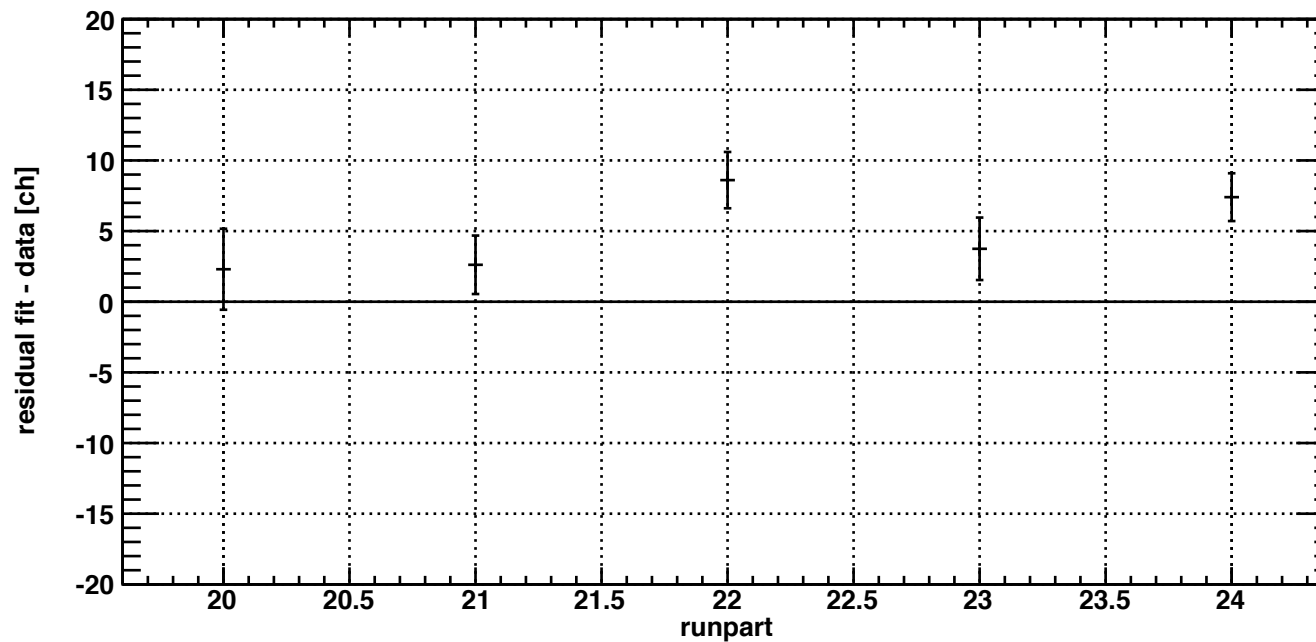
cycle1 out sdd4 NiKb1



2.5 $\sigma$  cut

$\Delta$  ch

cycle1 out sdd5 TiKb1



$\Delta$  ch

cycle1 out sdd5 NiKb1

