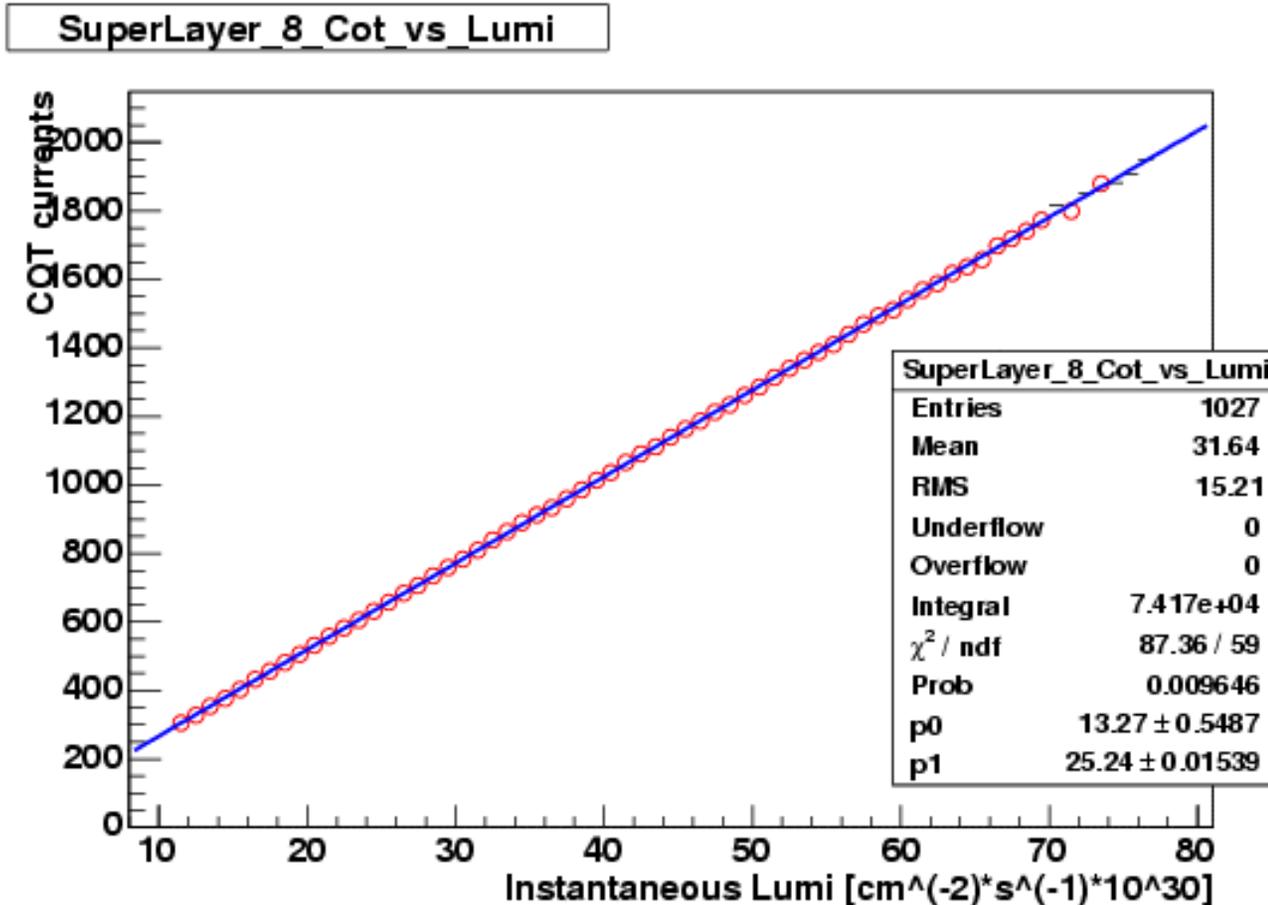


Further checks on CDF luminosity measurement

Roberto Rossin Jim Lungu

Joint Luminosity meeting 9/28/04

CDF Luminosity vs COT currents

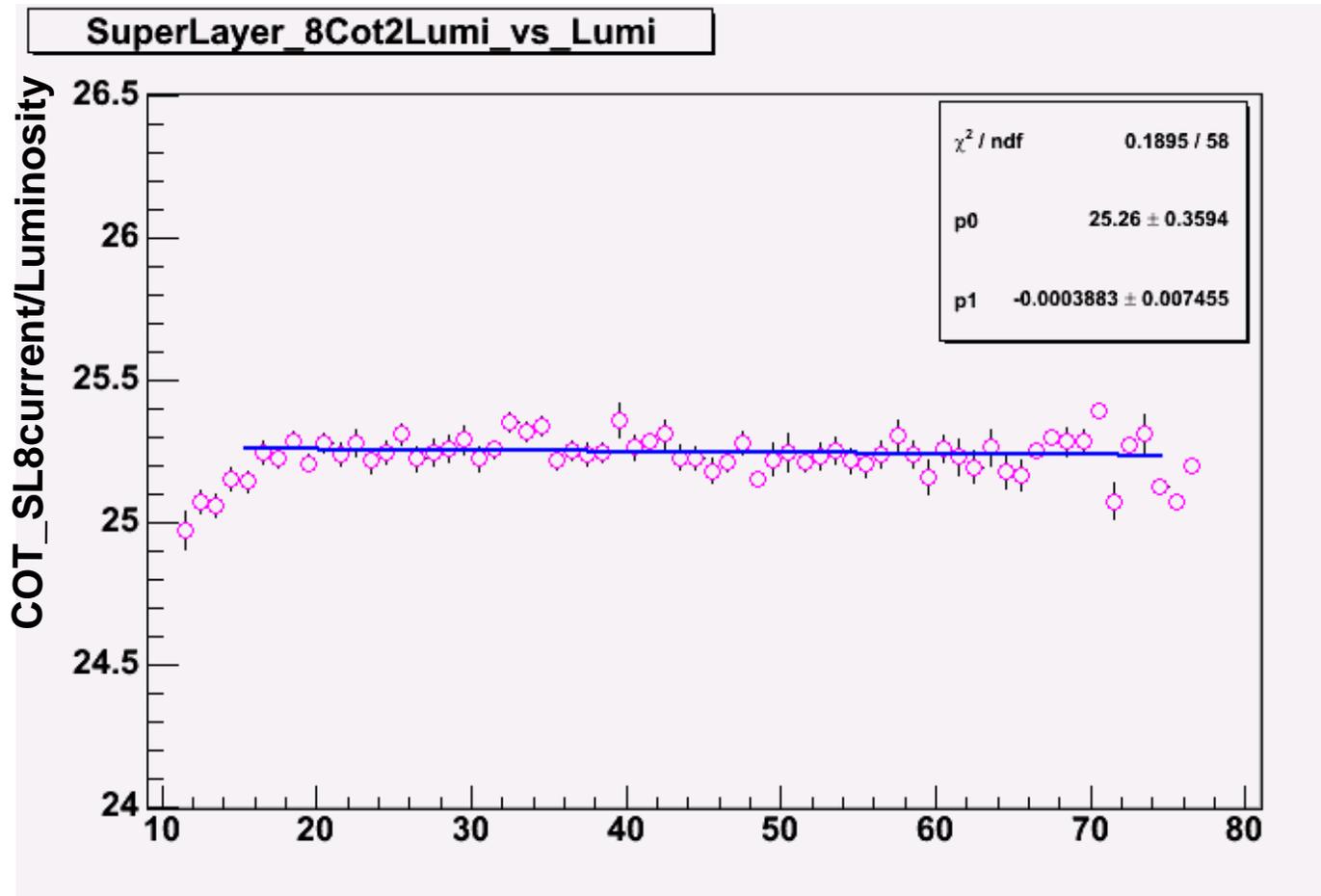


Removed the first hour on each store to have stable COT currents.

COT Superlayer8 is the most external. Less sensitive to saturation.

Data collected from Jul 18 to Jul 31 2004

CDF Luminosity vs COT currents



Since we are looking for an overestimation of luminosity (at high lum)
 \Rightarrow Saturation of COT currents will eventually enhance a non flat
behaviour of the variable **COTcurrent/Luminosity**

Conclusions

- We looked for a "positive" non linearity at high luminosity comparing to COT currents.
- A (possible) saturation of COT currents will enhance this non linear effect.

No hints of non linearity of CLC.