

Alexei Fedotov

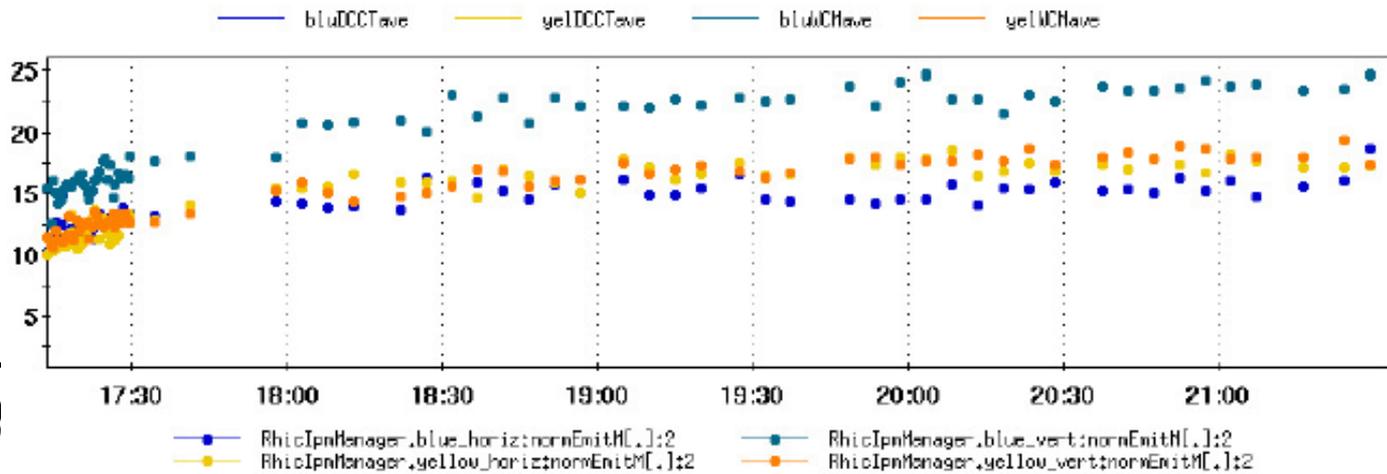
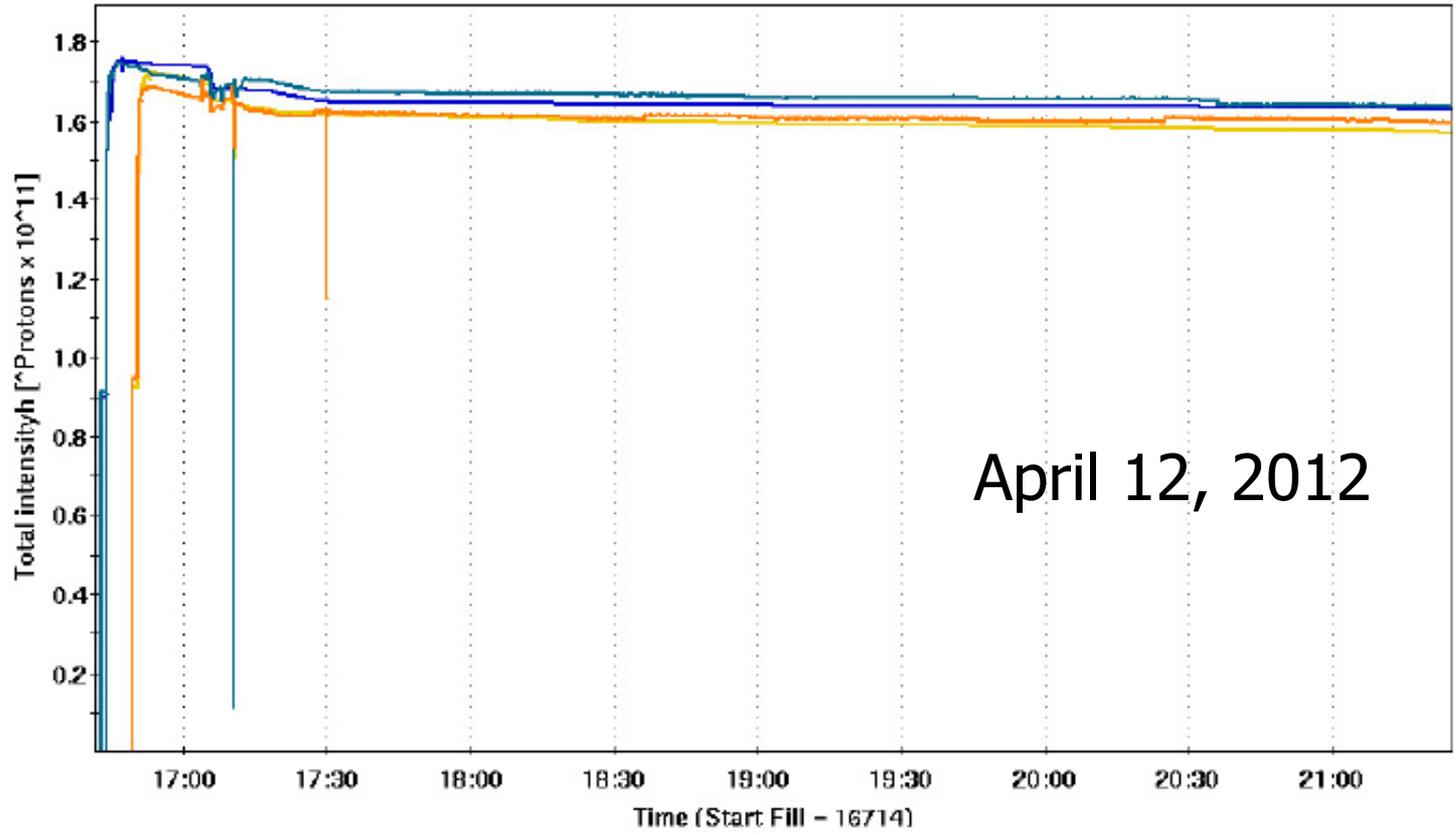
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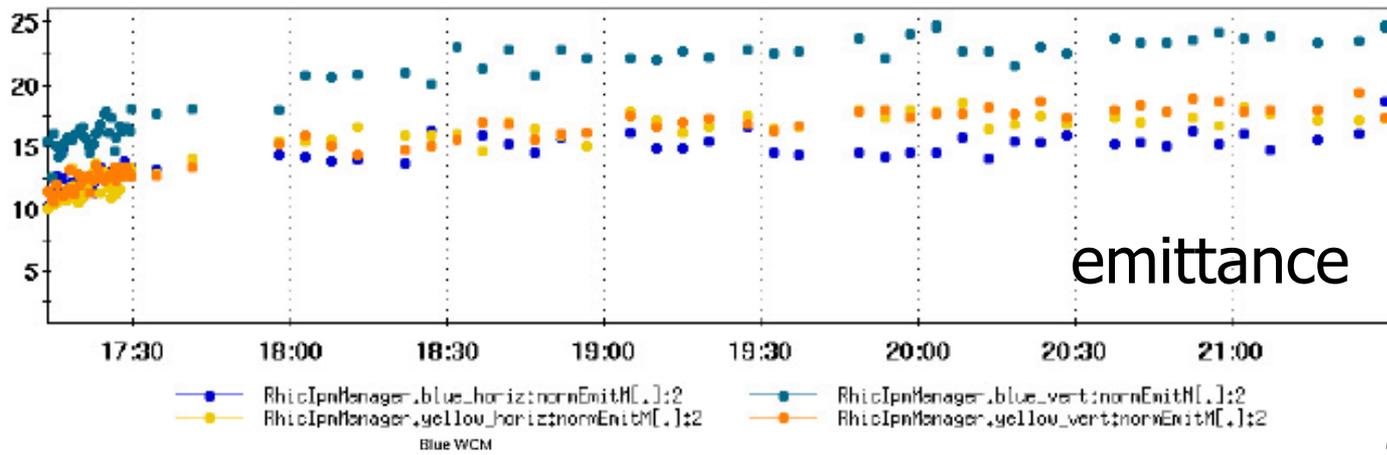
## IBS (protons at store)

*as part of APEX during April 12, 2012*

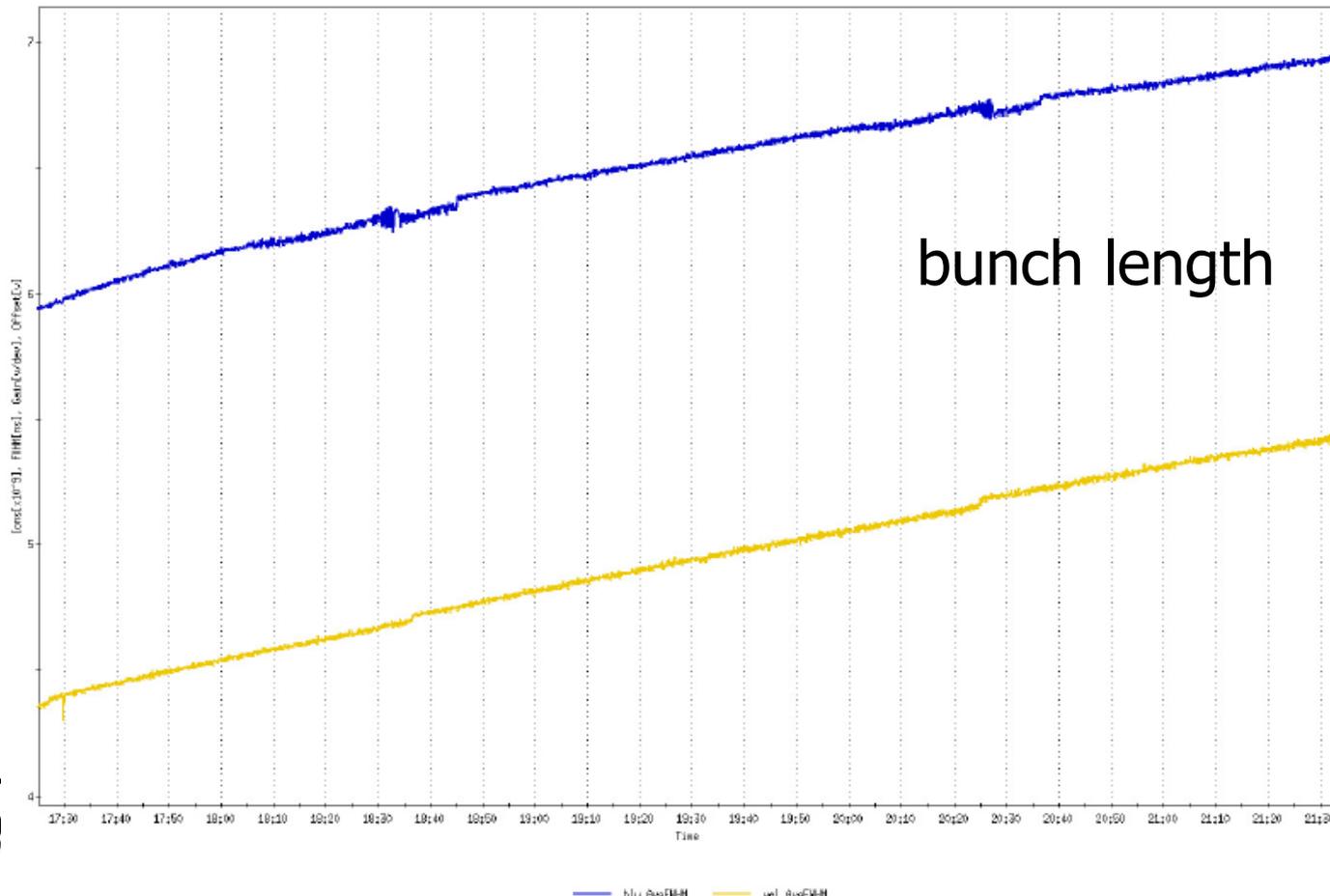
## Protons at store: contribution from IBS

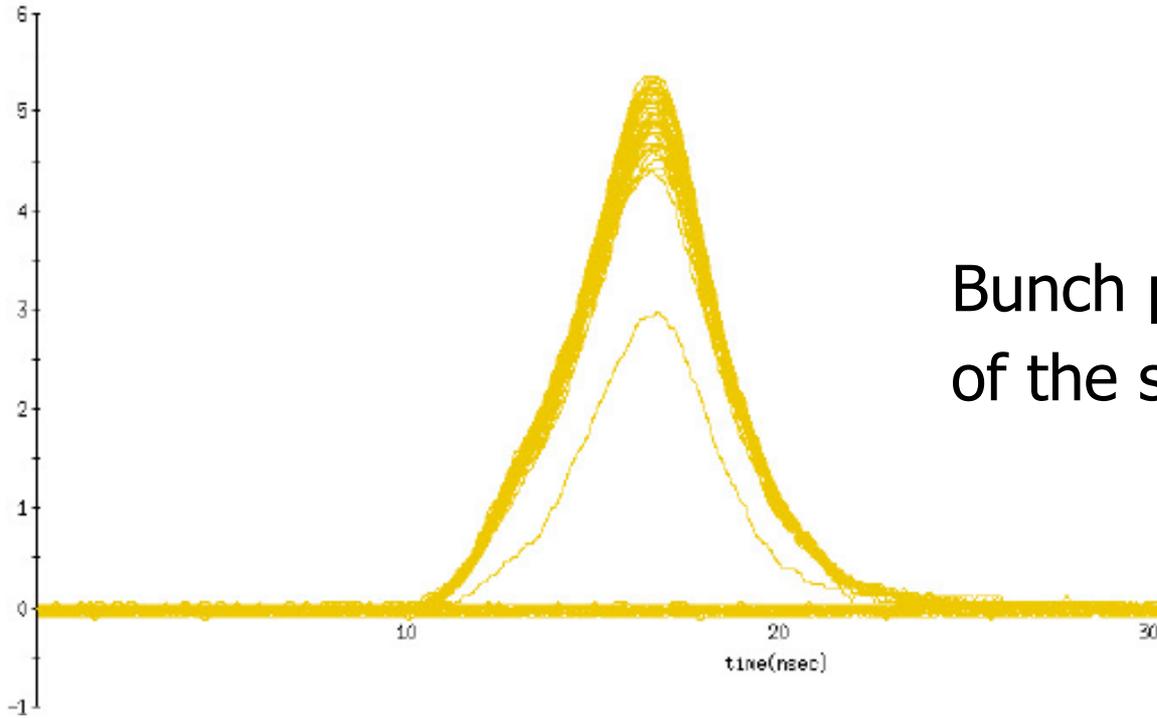
- Purpose of this store was to measure polarization during the store **without collisions**.
- At the same time it provided emittance and bunch length measurements which can be compared with the growth expected from IBS **(not a dedicated IBS experiment as we did in the past)**.



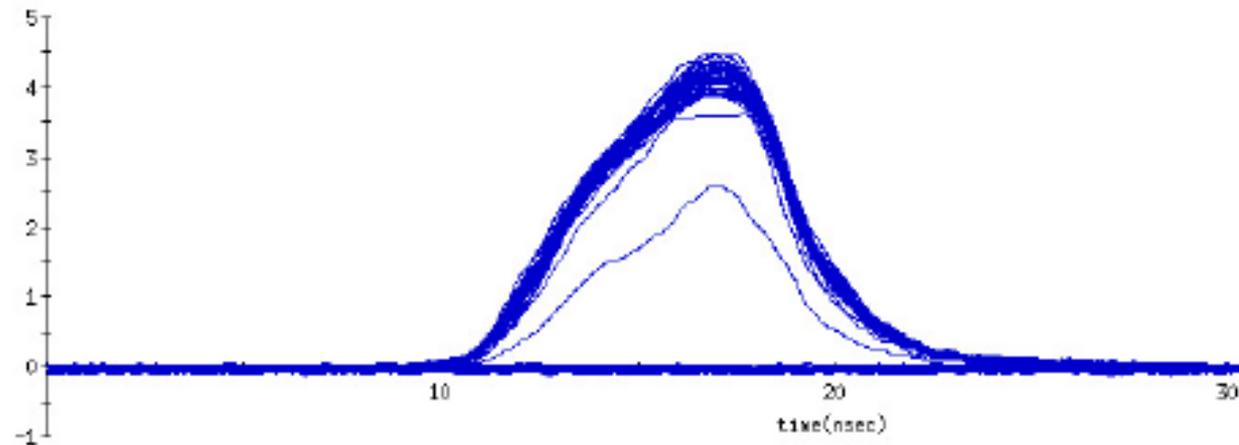


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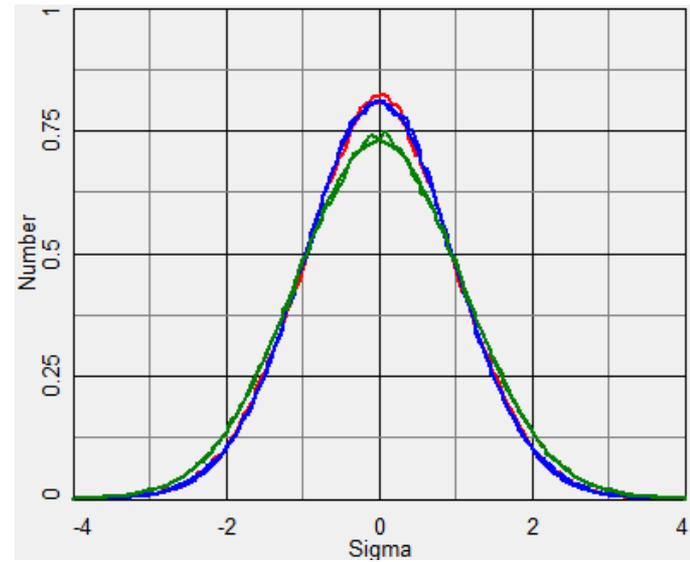
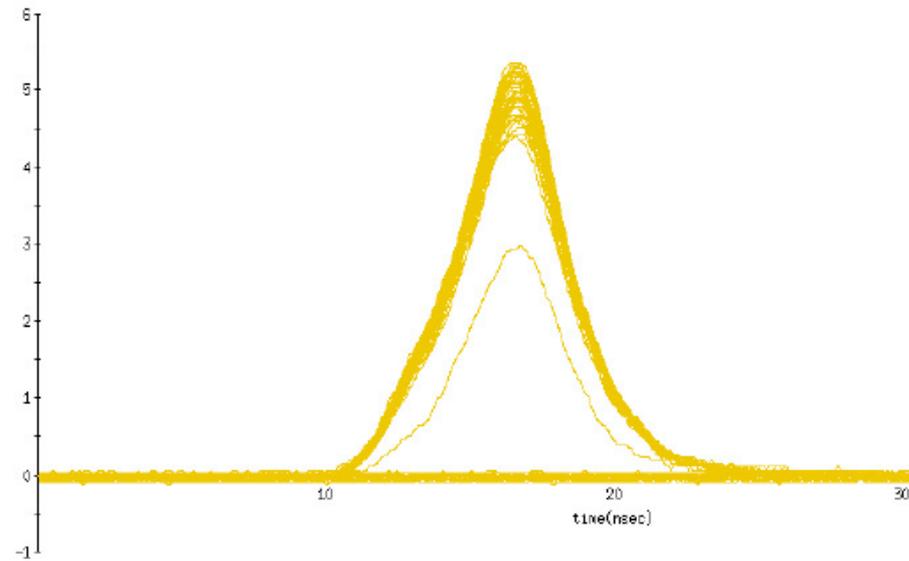
Bunch profiles at the start of the store



— WCN profiles

# IBS simulations

TIMES DON'T HATCH! Thu Apr 12 17:26:16 2012, Freq 78195.8 , Fill 16715



# Results: IBS in Yellow beam (bunch intensity $N=1.6e11$ )

