

ECC Meeting

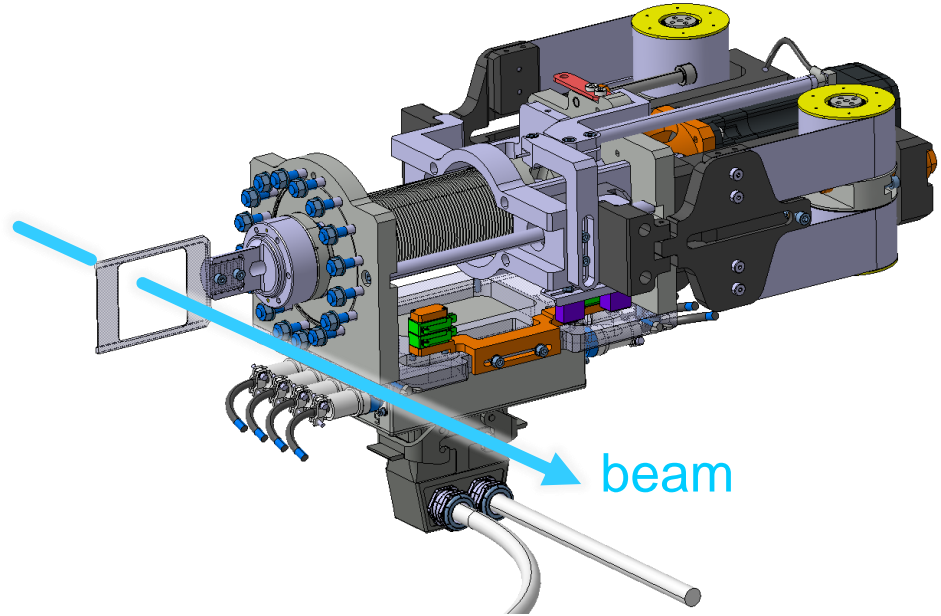
scrapers commissioning first results

2017.08.17

Pierre Grandemange

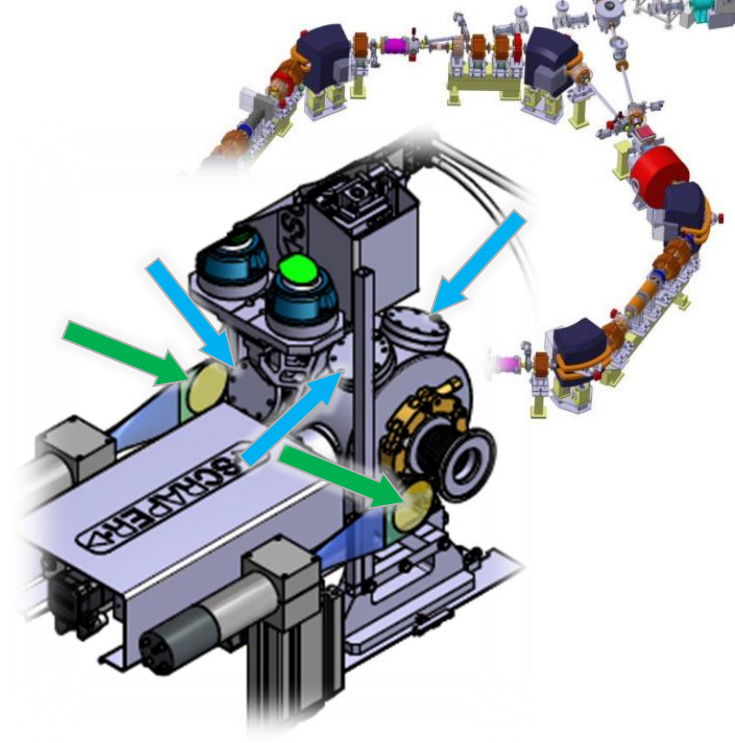


Scraper : the device

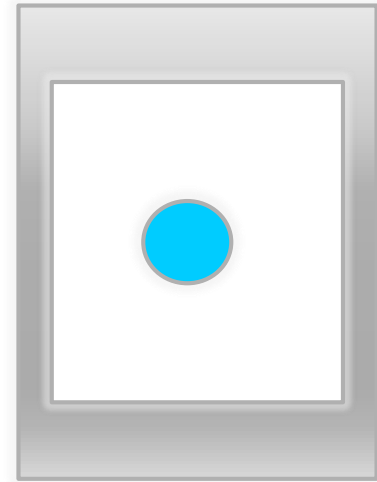
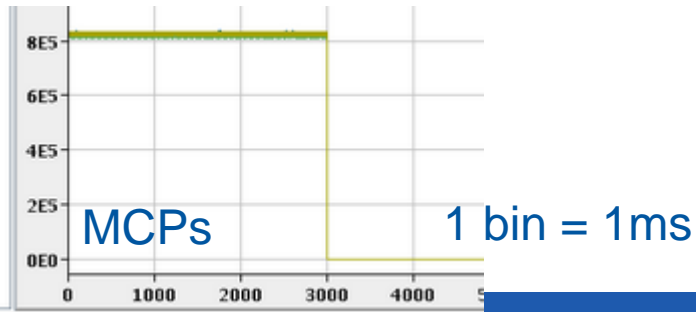
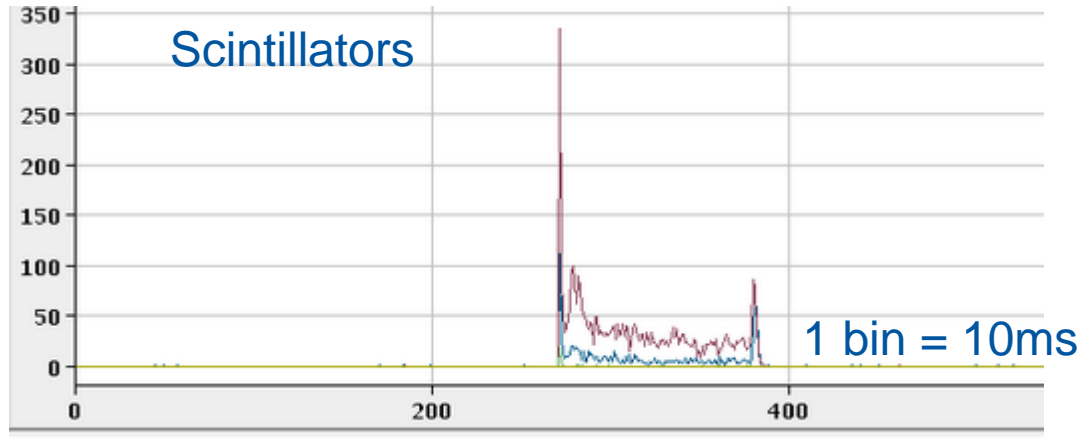


Overview

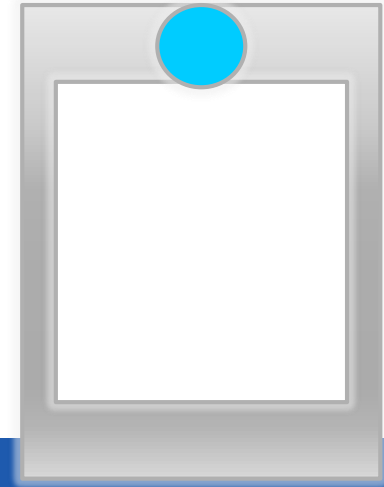
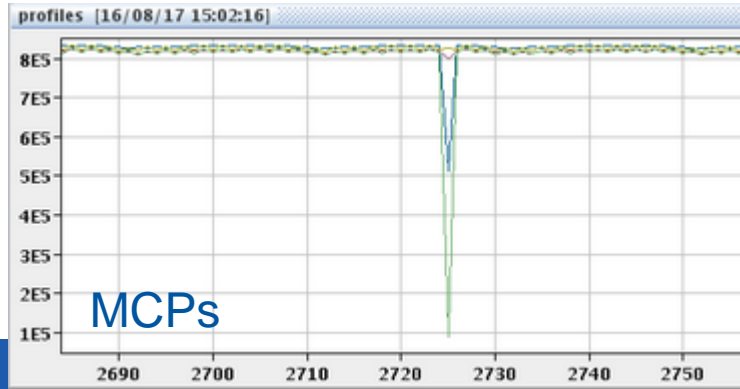
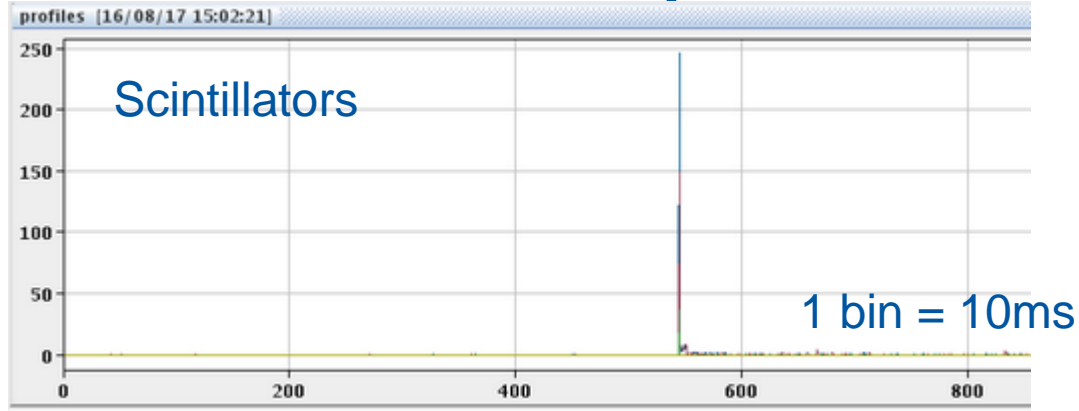
- ELENA – Extra Low Energy Antiproton ring
- Scraper : antiproton beam profile monitor
- Scraper : H⁺/proton beam profile monitor



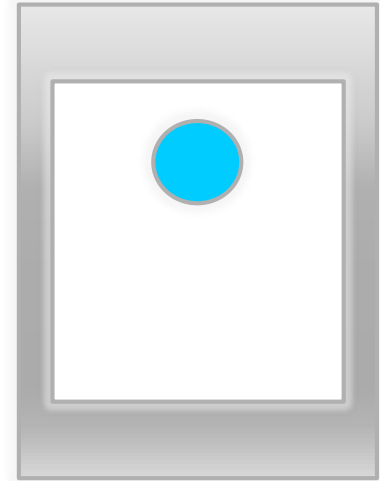
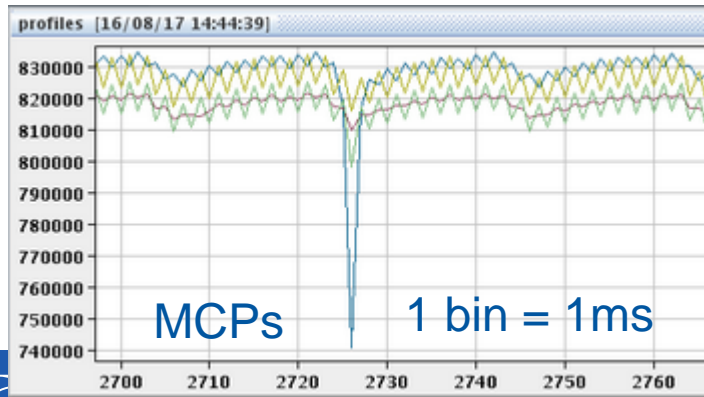
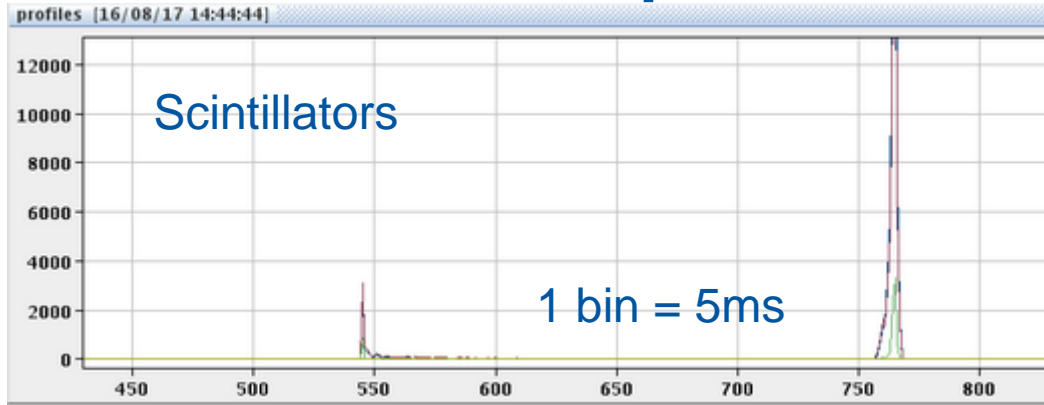
Vertical scraper: centred



Vertical scraper: blocking position

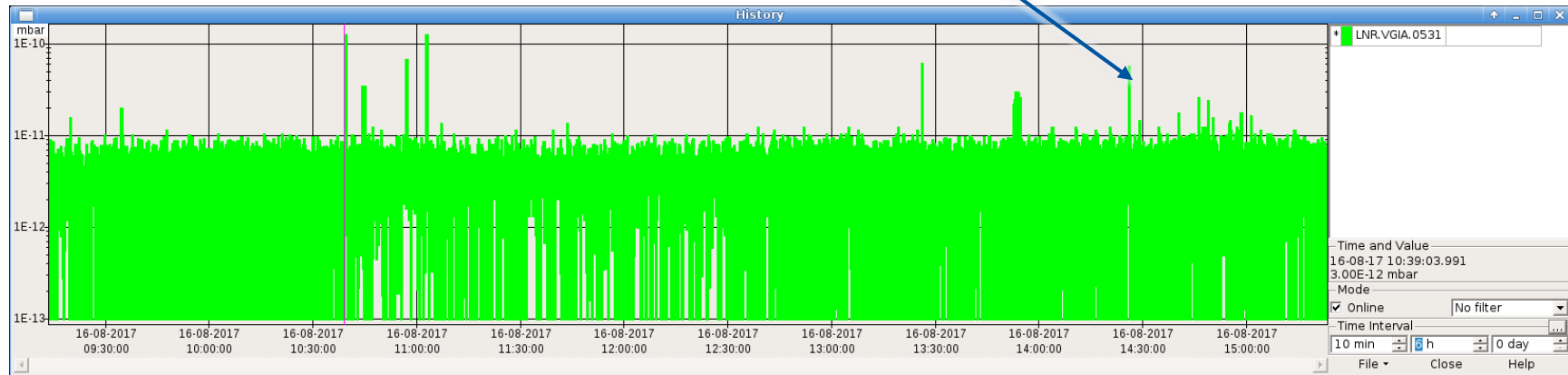


Vertical scraper: collimating position



vacuum

Scraper moving



Conclusion

- Both acquisition systems respond well with poor tuning
- No vacuum issue due to MCPs
- Timing issue to synchronise scraper movement with the running cycle
- Still some issues with software acquisition
- Fine tuning to eliminate saturation of scintillators/MCPs