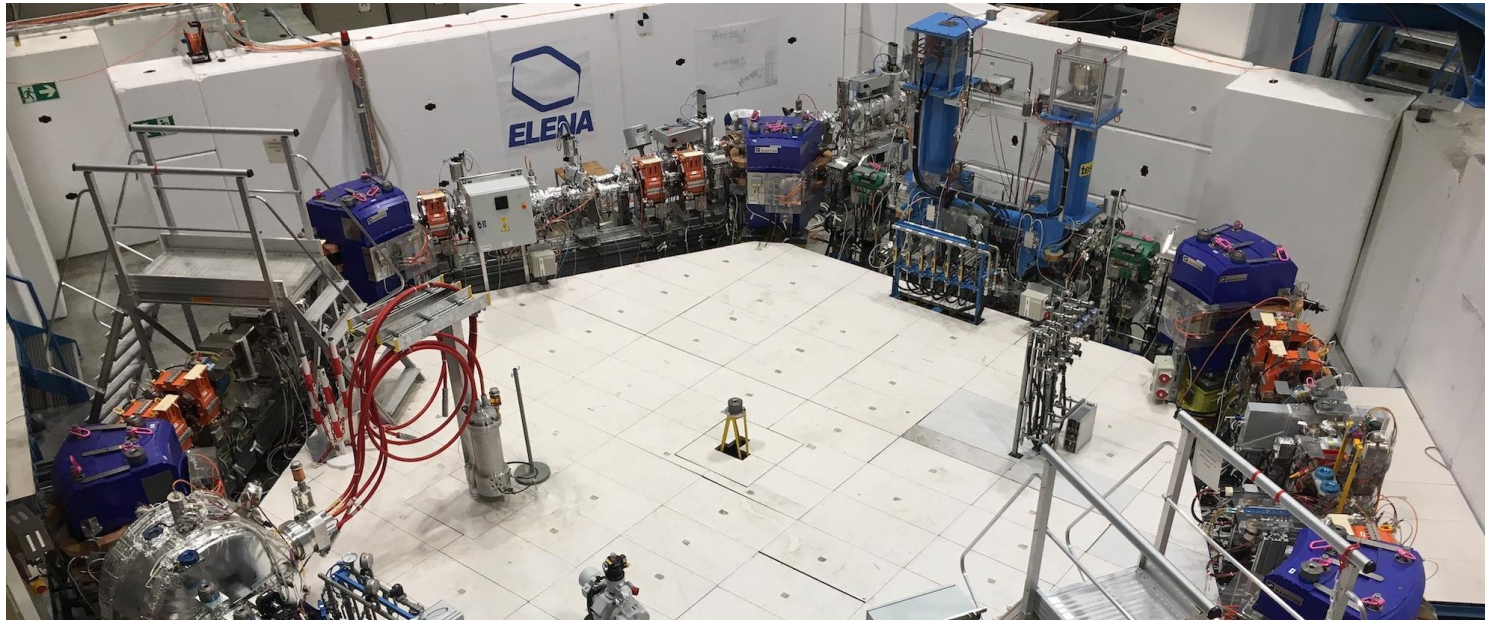


# e- beam orbit measurement: quick update



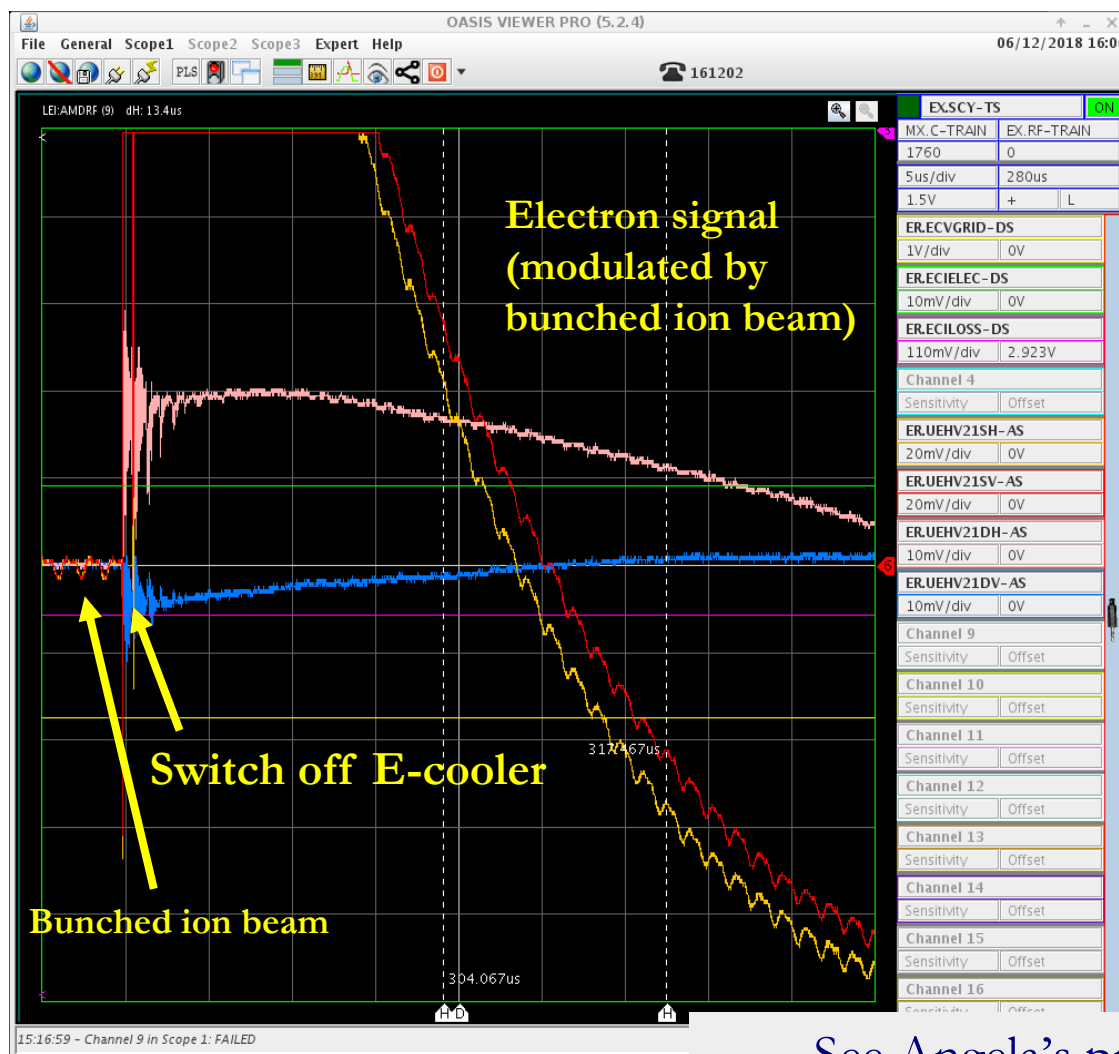
A. Frassier, B. Galante, D. Gamba, L. V. Joergensen, O. Marqvorsen

E-BEAM #7 – 6<sup>th</sup> Nov 2019



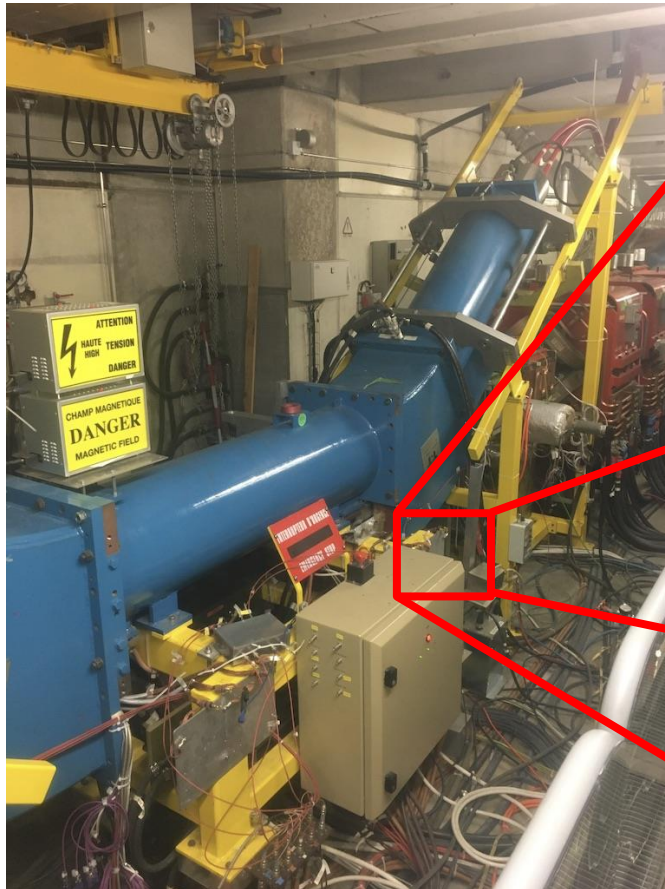
- LEIR
- AD
- ELENA (detailed presentation in one of the next meeting)

## Measurements done in 2018 when switching off cooler

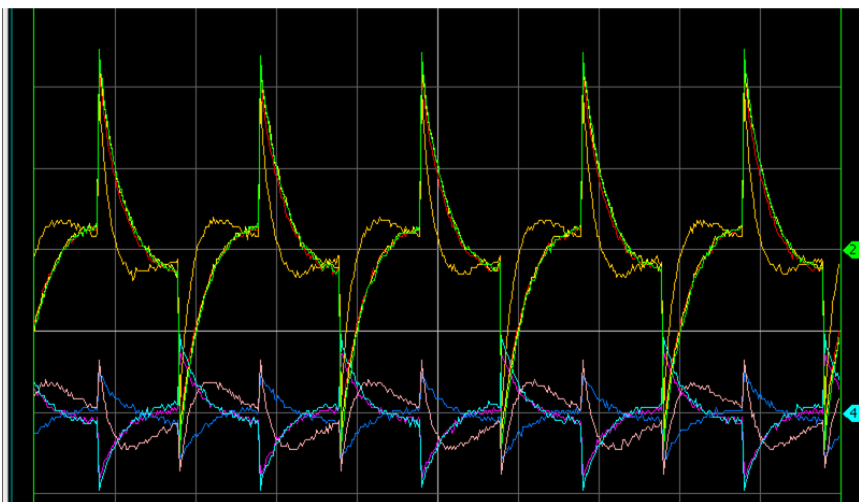


See Angela's presentation: [indico](#)

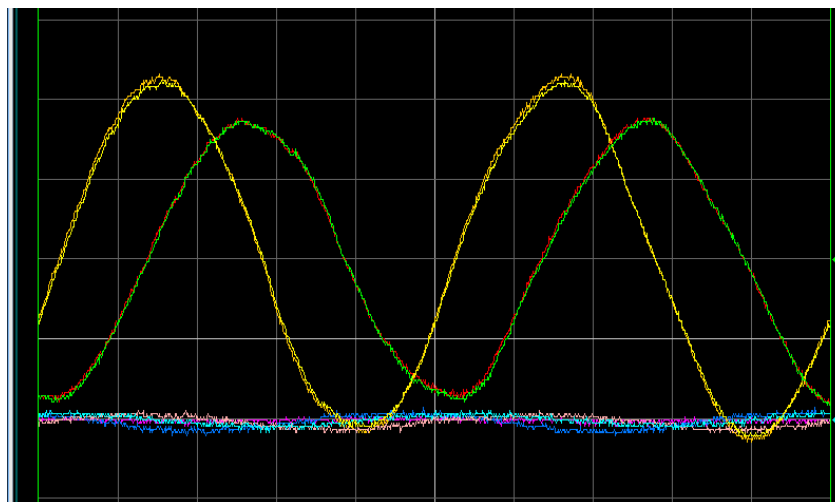
BPMs head amplifier seems to be missing in AD, and all BPMs cables disconnected... To be followed up.



Sudden change of grid voltage with custom HV switch unit:



Using a Pearson transformer to induce a slight change of grid voltage:



- Sinusoidal excitation seem to be the most promising
  - Easy to “calibrate”
- Note “saturation” effect probably when loosing beam on electrode

