

- New firmware deployed by Enrico Bravin and BI on one of the Hie-Isolde BDB. Small problems with the 2 new silicon detectors (in XT02 and XT03) solved by BI.
- We have completed the hardware commissioning of these 2 detectors and we used a  $20\text{Ne}^{8+}$  beam to do the beam commissioning.
- As part of machine study, a couple of days were spent to conduct different beam energy measurements using the dipole magnets in the HEBT lines as spectrometers and the silicon detectors as particle counters. Thanks to BI for their flexibility and help.
- We have a wiregrid at GPS finally working again. Problem on the acquisition configuration have been solved by BI (A. Guerrero and M. Duraffourg).
- Started testing scalability and stability of REX at low  $A/q$  beams. So far, we haven't gone below 2.5 (the lowest limit at this point). But, our plan is to explore the range of  $A/q$  between 2.0 and 2.5.

- F. Wenander (ABP) spent few days characterizing the performance of the new cathode for different beams ( $^7\text{Li}$ ,  $^{23}\text{Na}$  and  $^{152}\text{Sm}$ ). Charge breeding of  $^{129}\text{Xe}$  injected as gas into the EBIS was studied as well. The data taking is very manpower intensive as the complete GPS and REX low energy system has to be optimally tuned for each case.
- The instabilities in REXTRAP were hampering the measurements of  $^{23}\text{Na}$  the past week. The reason for the two-stating instability is slowly being narrowed down, but not resolved at this moment.
- Setup of GPS stable beam to LA1 started. This work is needed to prepare operational set-ups with the current quad polarities to the LA1 and LA2 lines.
- A coupler of a stripping foil in one BDB in Hie-Isolde broke. BI will exchange it as soon they will receive from the manufacture.
- Some of the electrostatic power supplies tripped twice on Monday and on Tuesday due to vacuum interlock. Investigation's ongoing.