

Summary of the Ar Ion SU in the SPS of WK 44 (T. Bohl, D. Manglunki)

Thursday 2014-10-30

The aim was to proceed with the next step of the setting-up, i.e. to improve the energy matching between CPS and SPS and to capture the beam.

The RF low level was ready from early morning to accept beam. Not before early afternoon we had beam for about half an hour and the energy matching was improved in collaboration with the CPS. Late afternoon the beam was back again and after adjusting the steering the beam was injected. The energy matching was improved to an acceptable level. The OP crew corrected in addition the first turn, closed orbit and tunes.

Friday 2014-10-31

Measurements of the beam of the previous evening showed that low level adjustments were required for capturing the beam. These adjustments took nearly the fully available MD time of Friday. In the evening it was finally possible to inject and capture the Ar ion bunch reproducibly and to keep it until the end of the flat bottom.