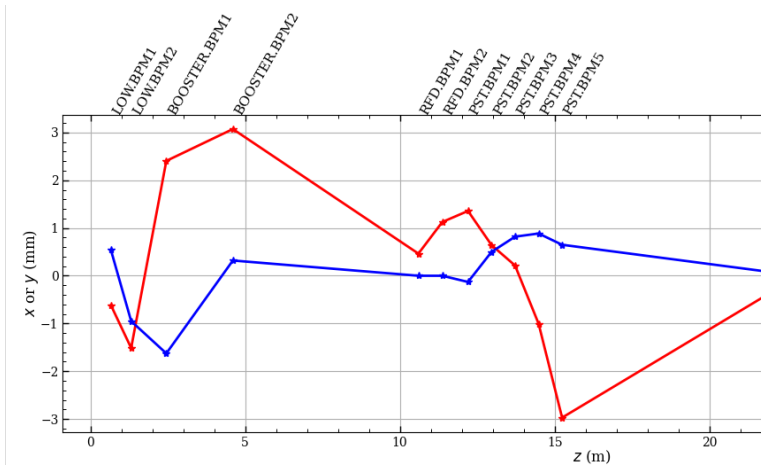


Results of the Trajectory studies

KW49-50

- Achievements:
 - Aligning algorithm works correctly
 - Steering free algorithm works correctly
 - Added possibility to save&restore magnets settings to the trajectory tool

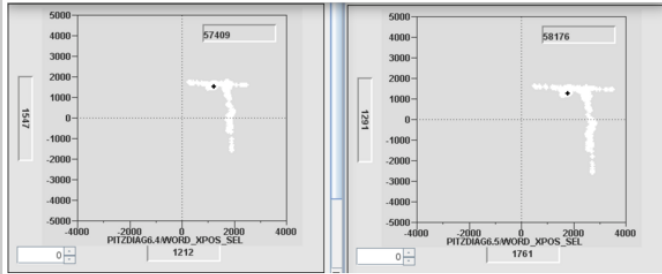
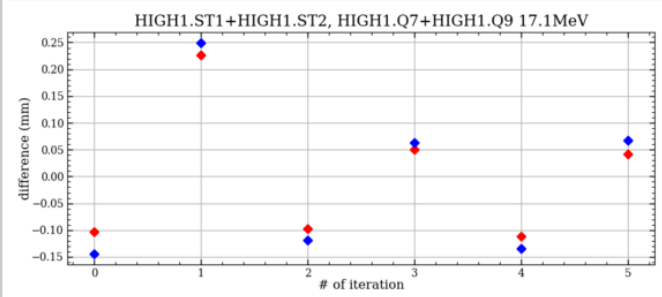


- Possible improvements:
 - Add solenoid and dipoles to the trajectory tool. Fix issue with broken degaussing flags
 - Mapping of the booster to know its response for the different beam positions/angle

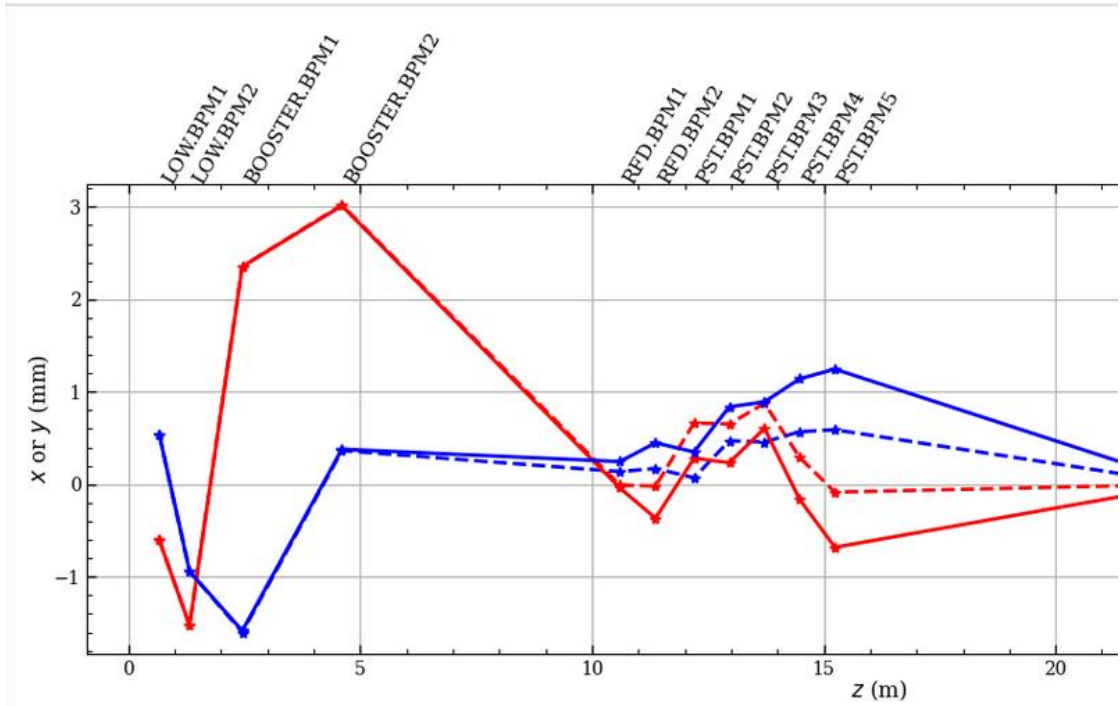
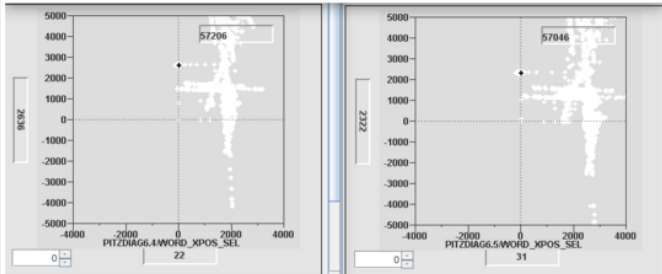
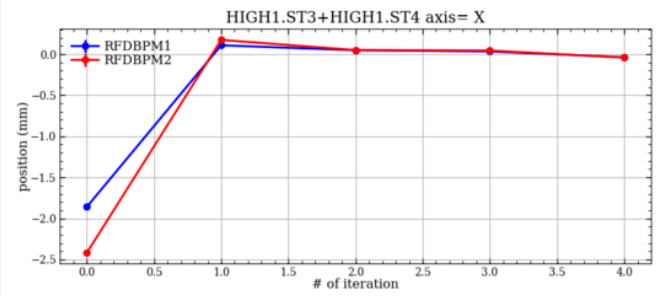
- Challenges:
 - Beam alignment can not be done without the change of the LOW section steerers
 - The same for the steering free idea
 - 07.12 and 08.12 most of the time worked without booster → too many spark ILs
 - Every time one has to adjust timings of BPMs
 - Strange trajectory bump in PST section

Results of the Trajectory studies

KW49-50



x=0.920 y=-2.267



HIGH1.Q6 0A --> 1.330A
HIGH1.Q7 0A --> -1.10A

