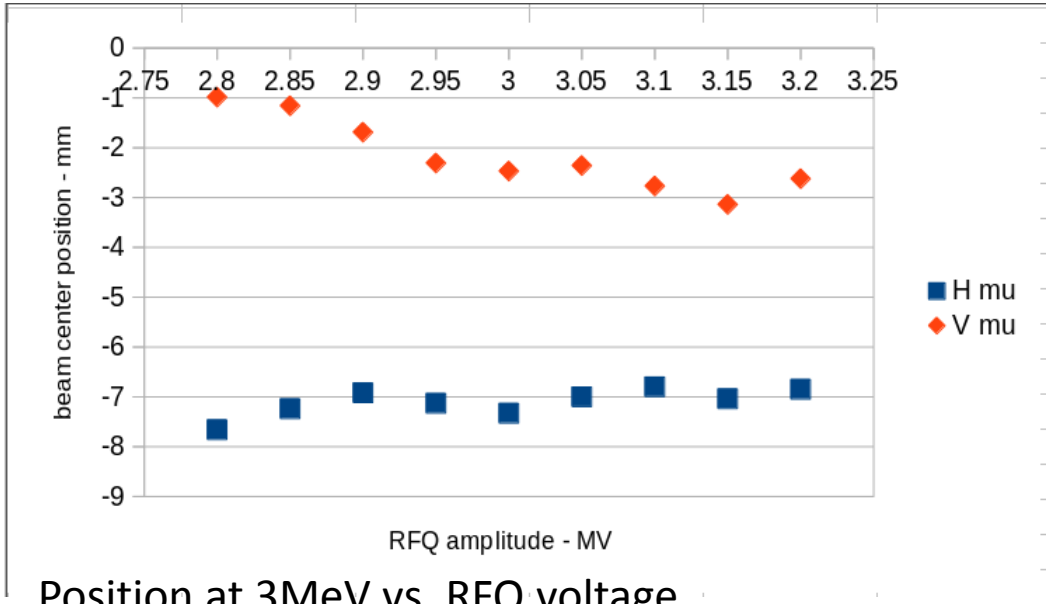
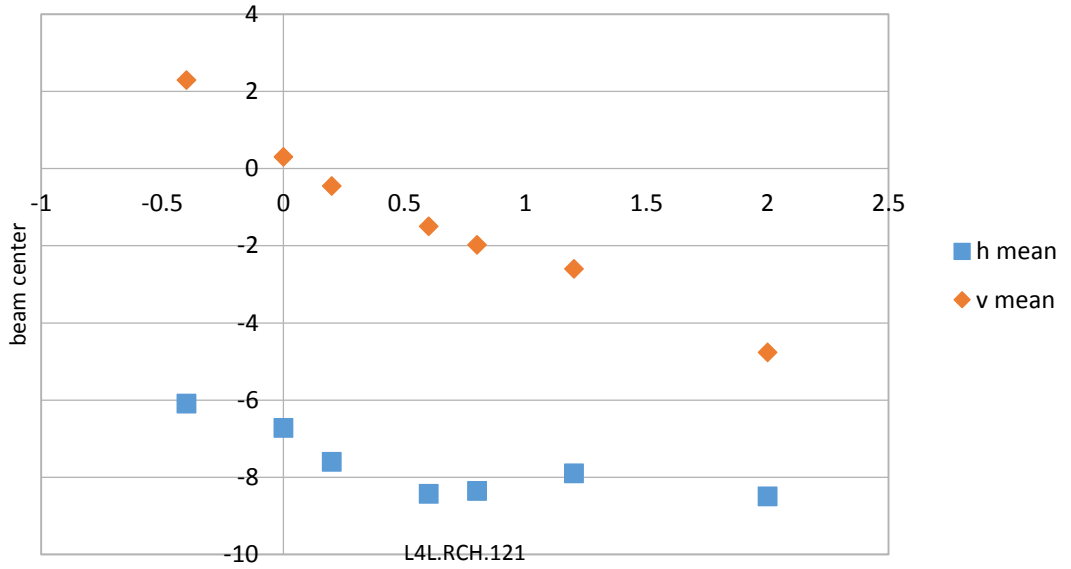
FOM

Report from supervisors

Measurements recap

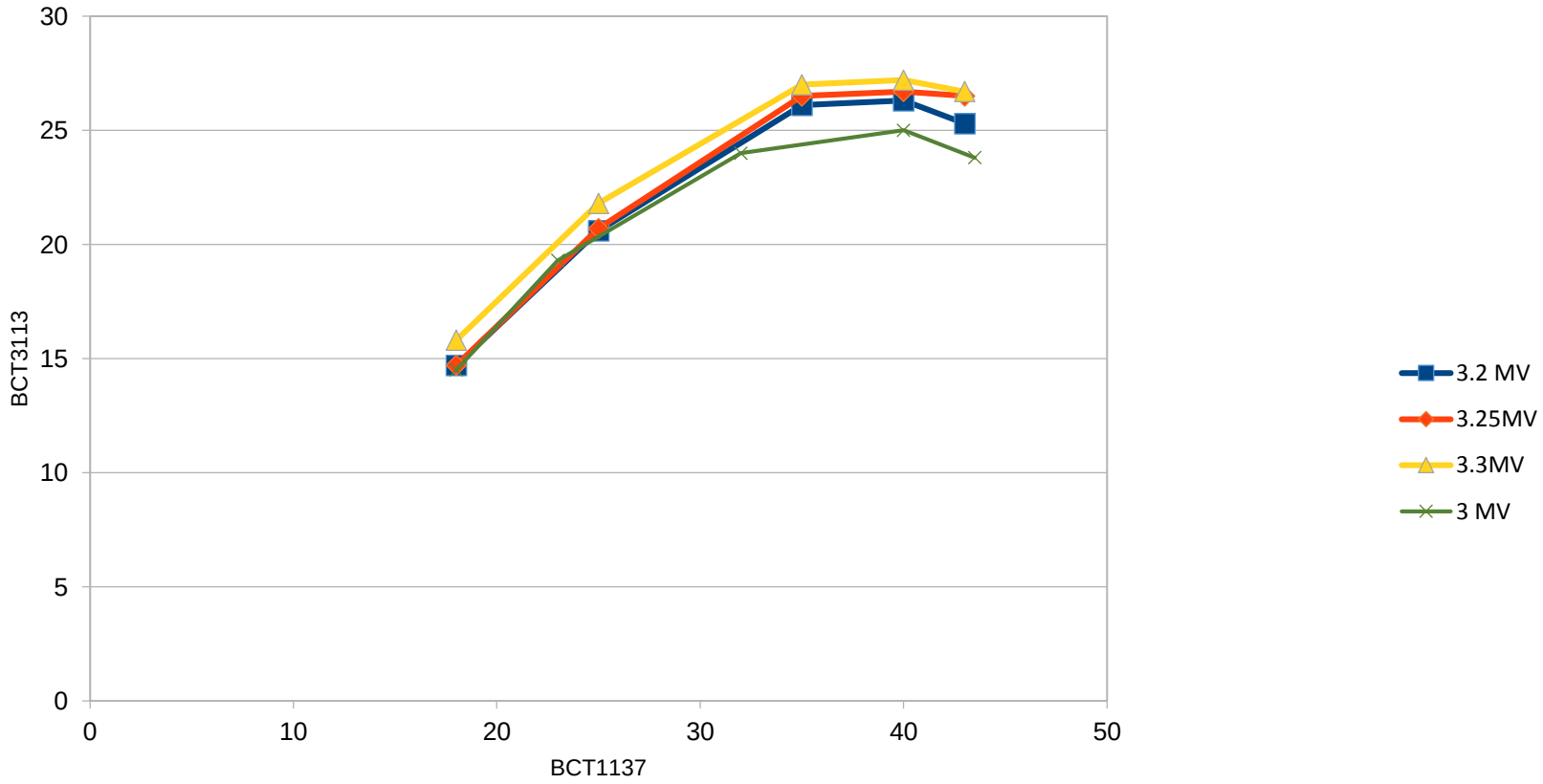


Position at 3MeV vs. RFQ voltage



Position at 3MeV vs. LEBT steerers

All in all
-good measurements
-very difficult to change parameters with WIC, LEBT SIS etc etc : they work!
-solenoid realignment didn't improve the transmission out of the RFQ : as codes predicted but disappointing
-now we are looking at the alignment of the source and moving it


30
25
20
15
10
5
0
BCT3113
0
10
20
30
40
50
BCT1137
3.2 MV
3.25MV
3.3MV
3 MV

Milestones and planning 10/8 to 17/8/2020

WEEK	am	pm
10/08		Change source position
11/08	Steerers and solenoid scan (I_LEBT =20mA and 35mA).	Decision whether to revert source position or not. If not then Steerers and solenoid scan (I_LEBT =35mA and 60mA)
12/08	Emittance reconstruction with wire scanner at 3 MeV for I_LEBT =20mA and 35 mA (60mA only if no significant losses)	Emittance reconstruction with wire scanner at 3 MeV for I_LEBT =20mA and 35mA
13/08	Rfq voltage scan (1.4 to 3.15+) for 20, 35 mA , includes measure of buncher beam loading and phase shift	Rfq voltage scan (1.4 to 3.15+) for 35 mA , includes measure of buncher beam loading and phase shift
14/08	Back up	tune for min current in the LEBT for 25 mA out of the RFQ an minimise losses