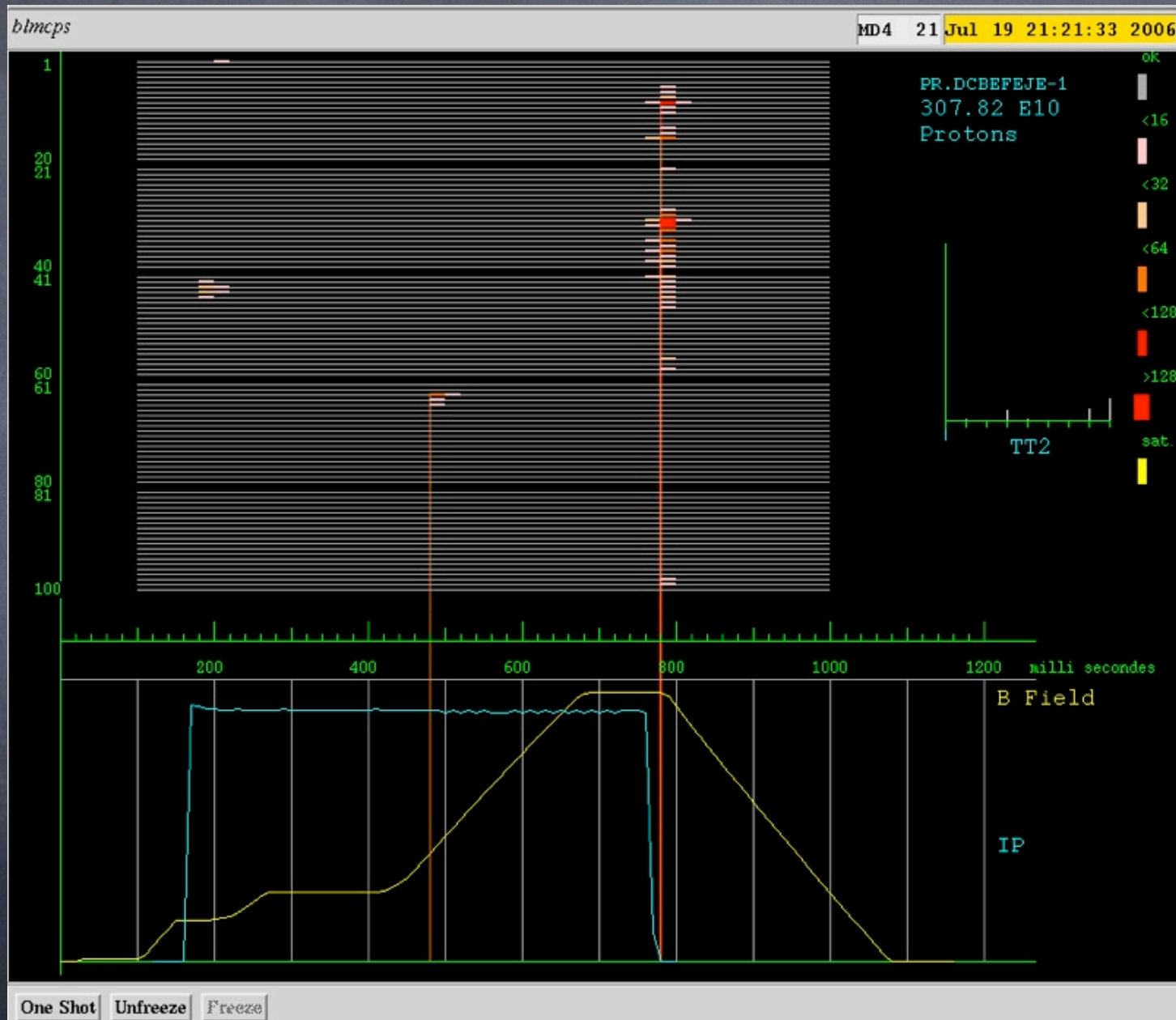


# Gamma jump in the PS: measurements performed and results with beam

S. Gilardoni

# Losses observed during gamma jump for all beams

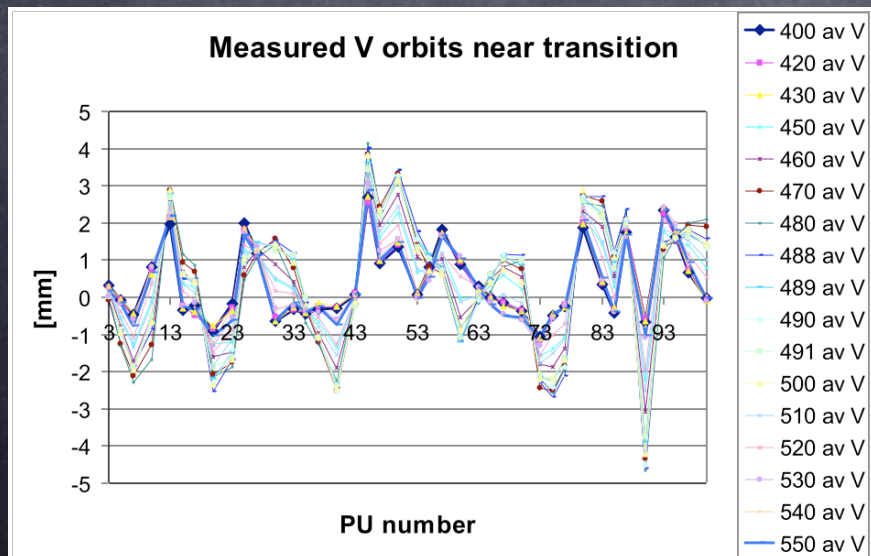
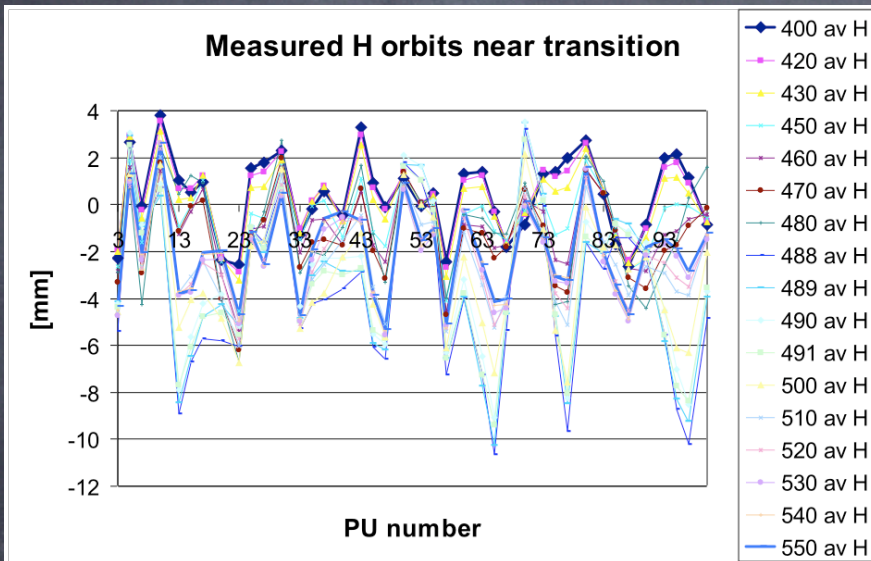


# Why losses ?

Mixture between bad orbit and large envelope

Large envelope: see Sandra's talk

Bad orbit: probably bad quads alignment

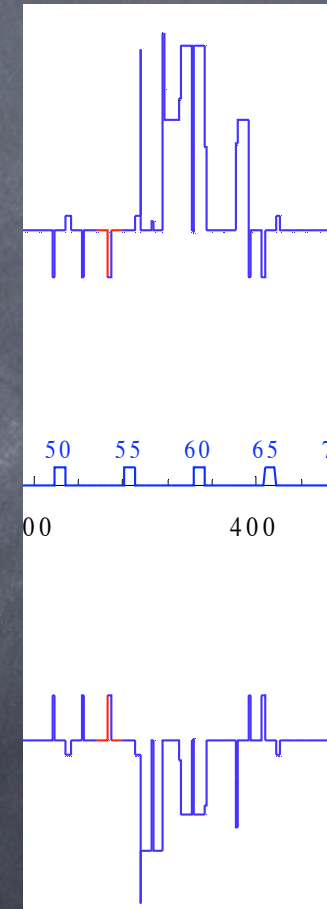
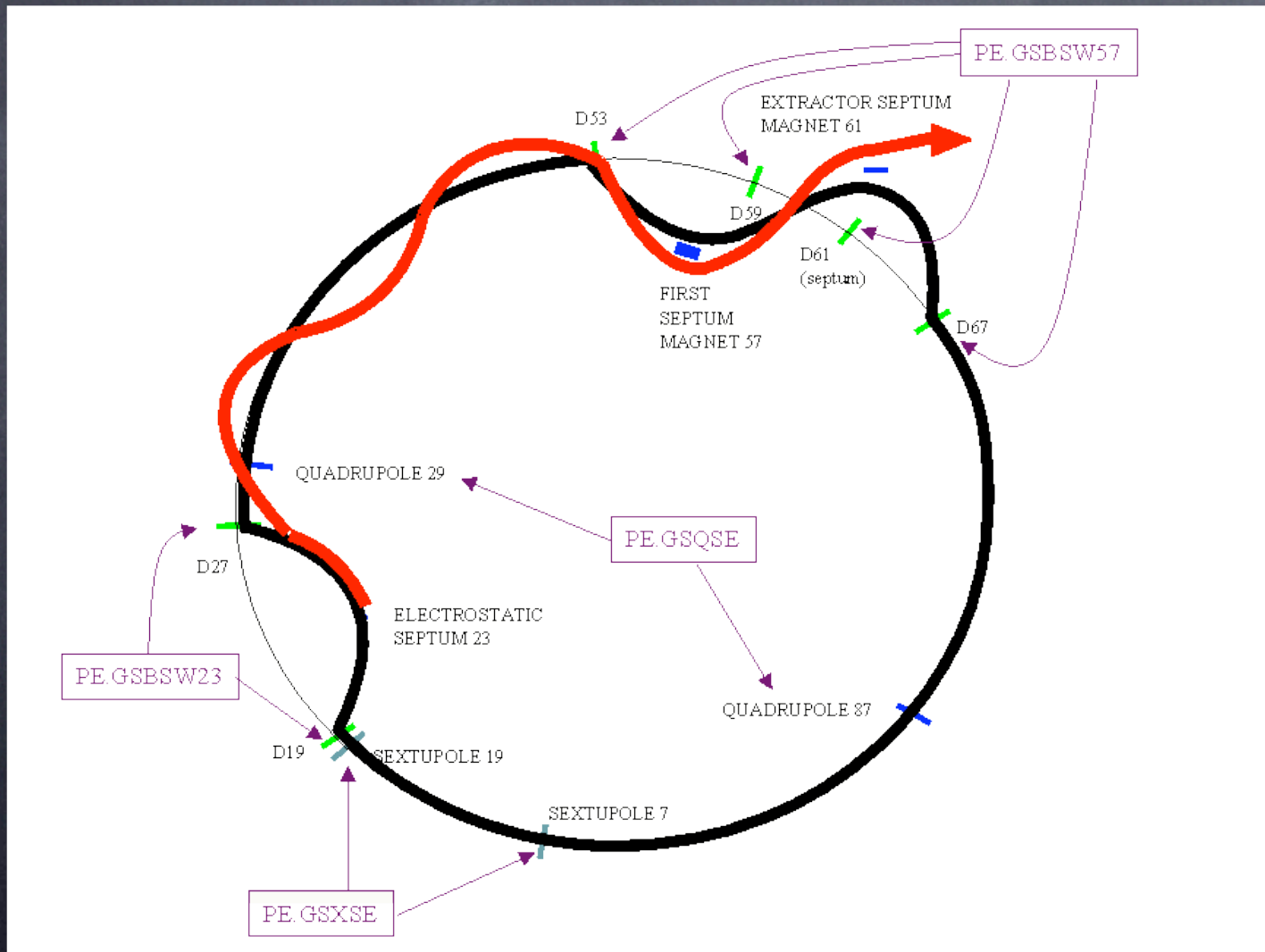


N° SECTION DROITE	QUADRUPOLE	enmm		enmm		mrd TILT
		ECART	VERTICAL	ECART	RADIAL	
		entrée	sortie	entrée	sortie	
<b>7</b>	<b>409.07</b>	+0.3	+0.2	-0.6	-1.2	+1.3
<b>15</b>	<b>407.01</b>	-0.6	-0.3	-0.4	-0.2	+0.1
<b>19</b>	<b>408.06</b>	-0.6	-0.7	-0.4	-0.5	-0.2
<b>27</b>	<b>406.04</b>	+1.2	+1.4	+0.4	-0.6	-0.9
<b>29</b>	<b>406.01</b>	-1.5	-0.7	+0.2	0	-0.7
<b>37</b>	<b>408.04</b>	+1.9	+1.7	+0.3	0	+0.1
<b>41</b>	<b>407.03</b>	-0.7	-0.9	+0.6	-0.1	-0.5
<b>49</b>	<b>409.02</b>	-1.7	-2.2	-0.1	-0.5	+0.1
<b>61</b>	<b>406.02</b>	+0.7	+0.7	+0.1	-0.5	+0.9
<b>69</b>	<b>408.08</b>	+1.2	+1.0	+0.3	-0.7	+0.8
<b>73</b>	<b>407.07</b>	-1.6	-1.7	+0.2	-0.7	+0.4
<b>87</b>	<b>408.05</b>	+1.2	+1.4	-0.3	-0.1	+0.1
<b>95</b>	<b>408.01</b>	+1.4	+1.5	-0.6	-0.7	-0.3
<b>99</b>	<b>407.02</b>	+0.3	+0.5	-0.5	-0.7	+0.1

Orbit meas with Elias and Rende  
Quads alignements from T. Dobers

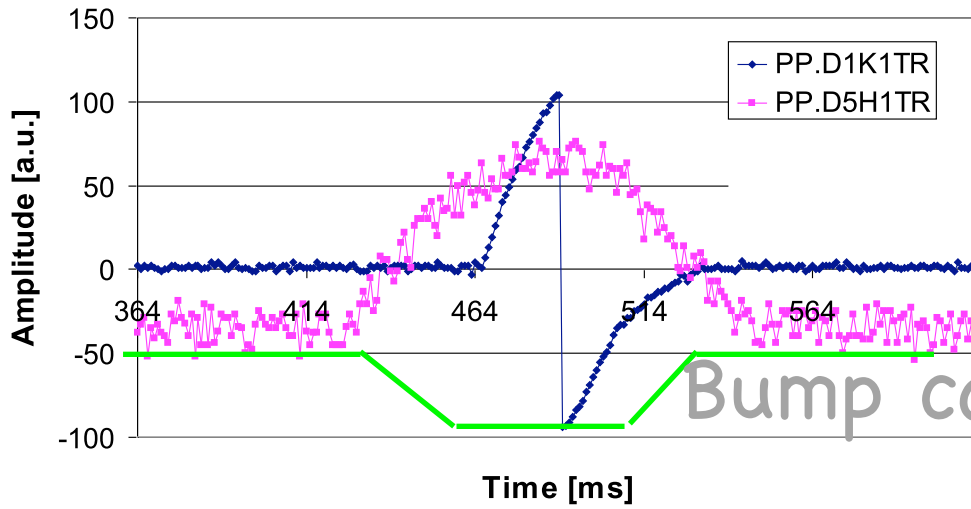
# Slow extraction bumps

Cannot use high energy correctors in 15 or 60

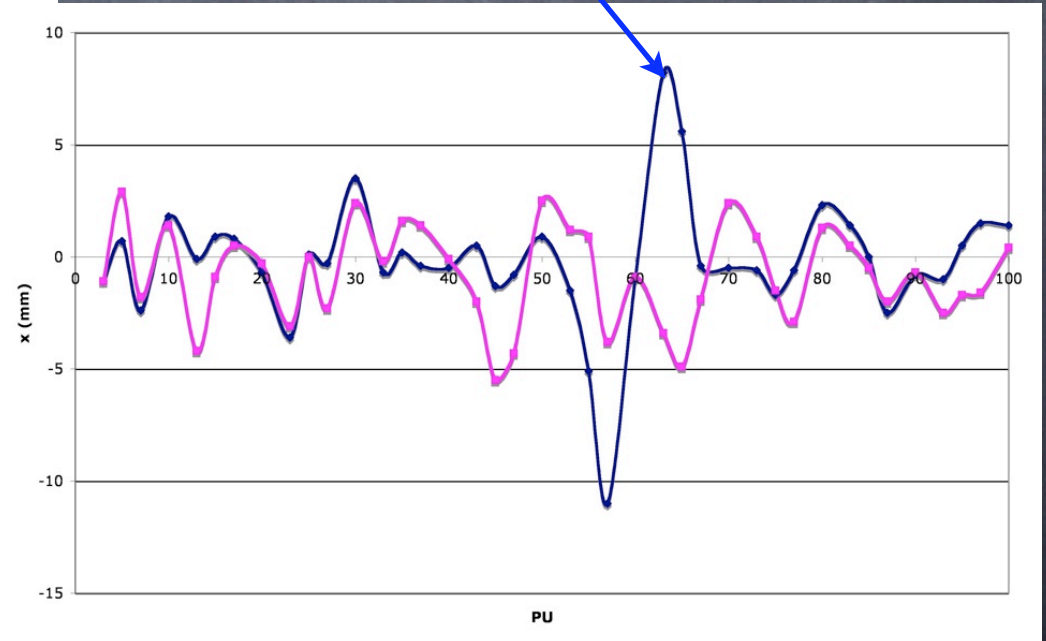


# Applied correction

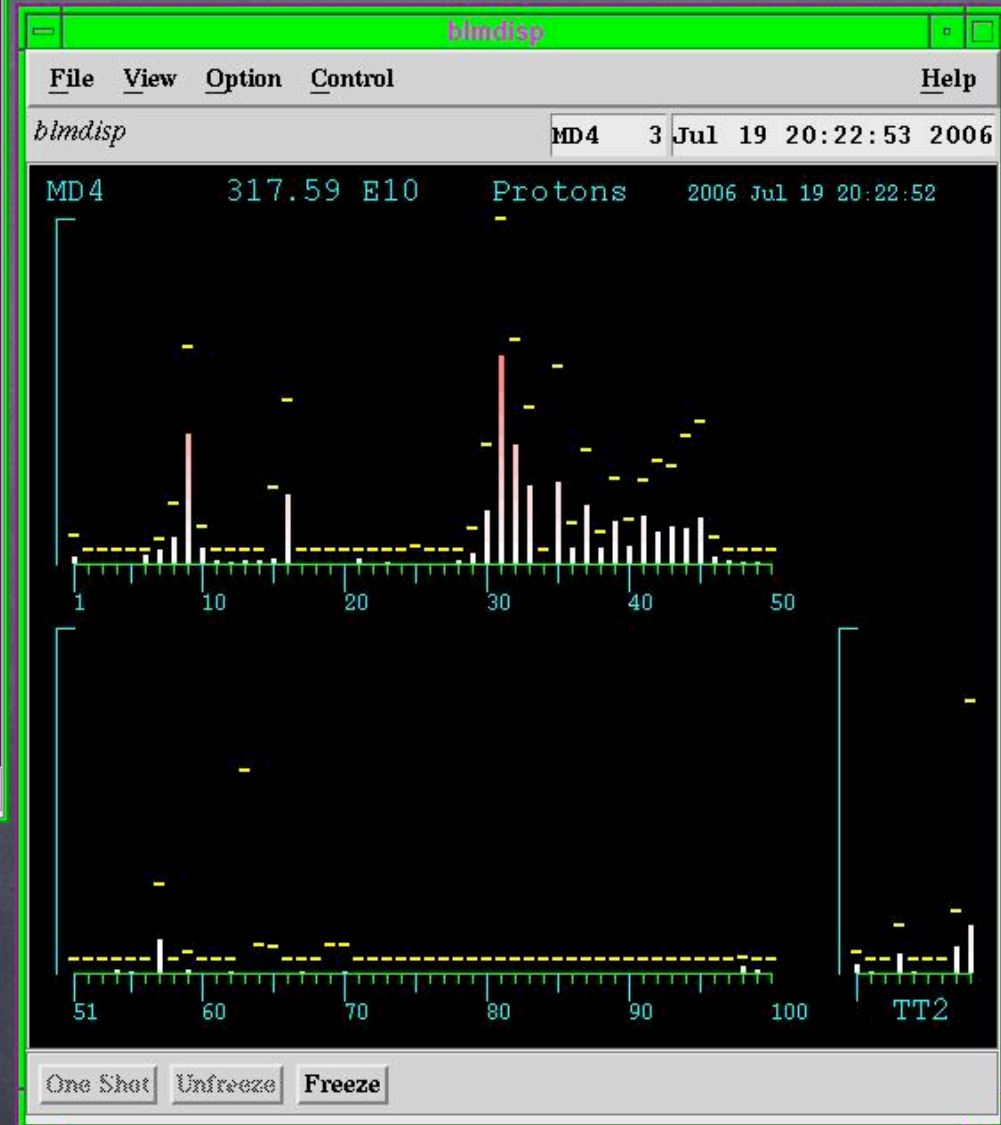
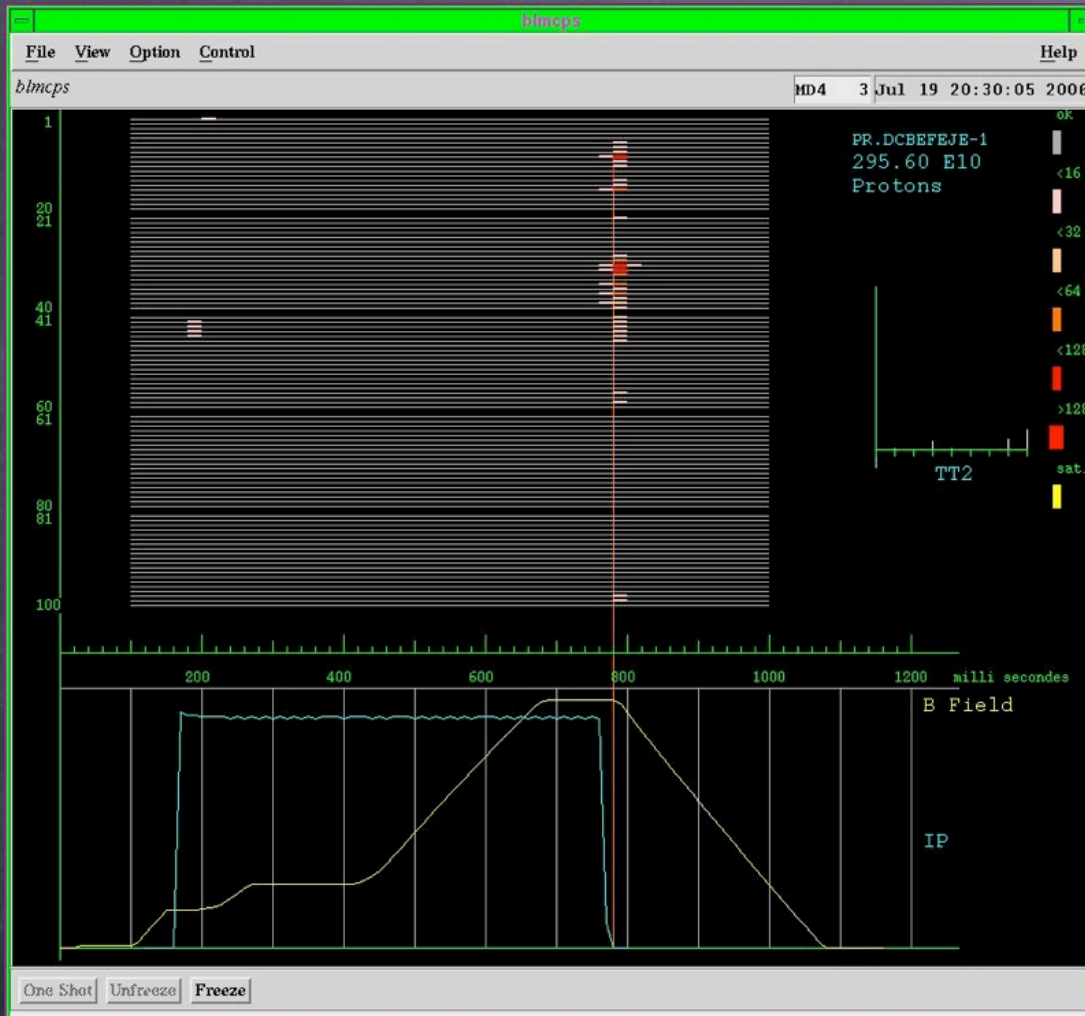
## Transition equipments



Bump correction -30 A



# Correction results for MD SFTPRO type beam



So far implemented only  
for AD for the  
operational beams