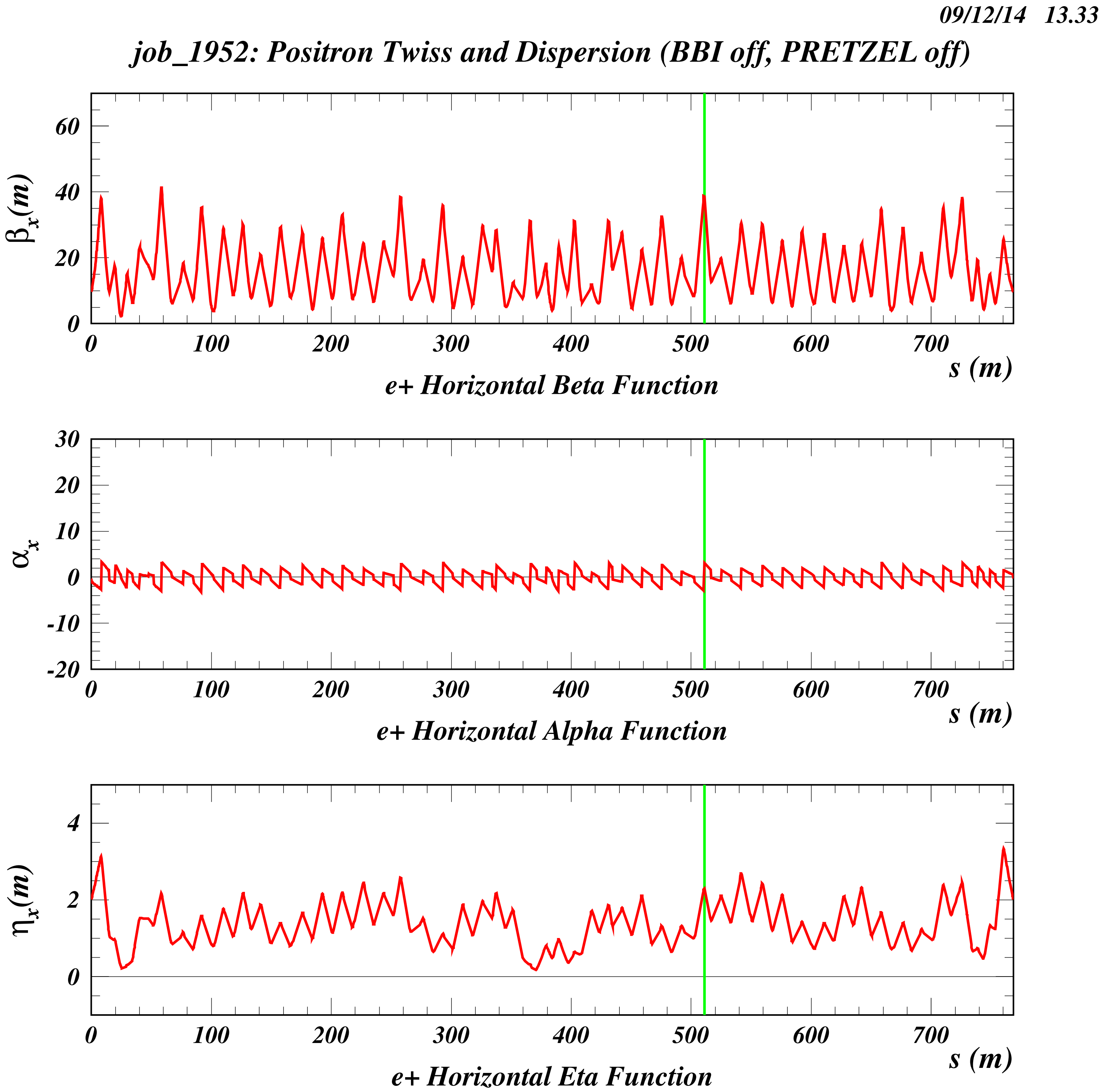
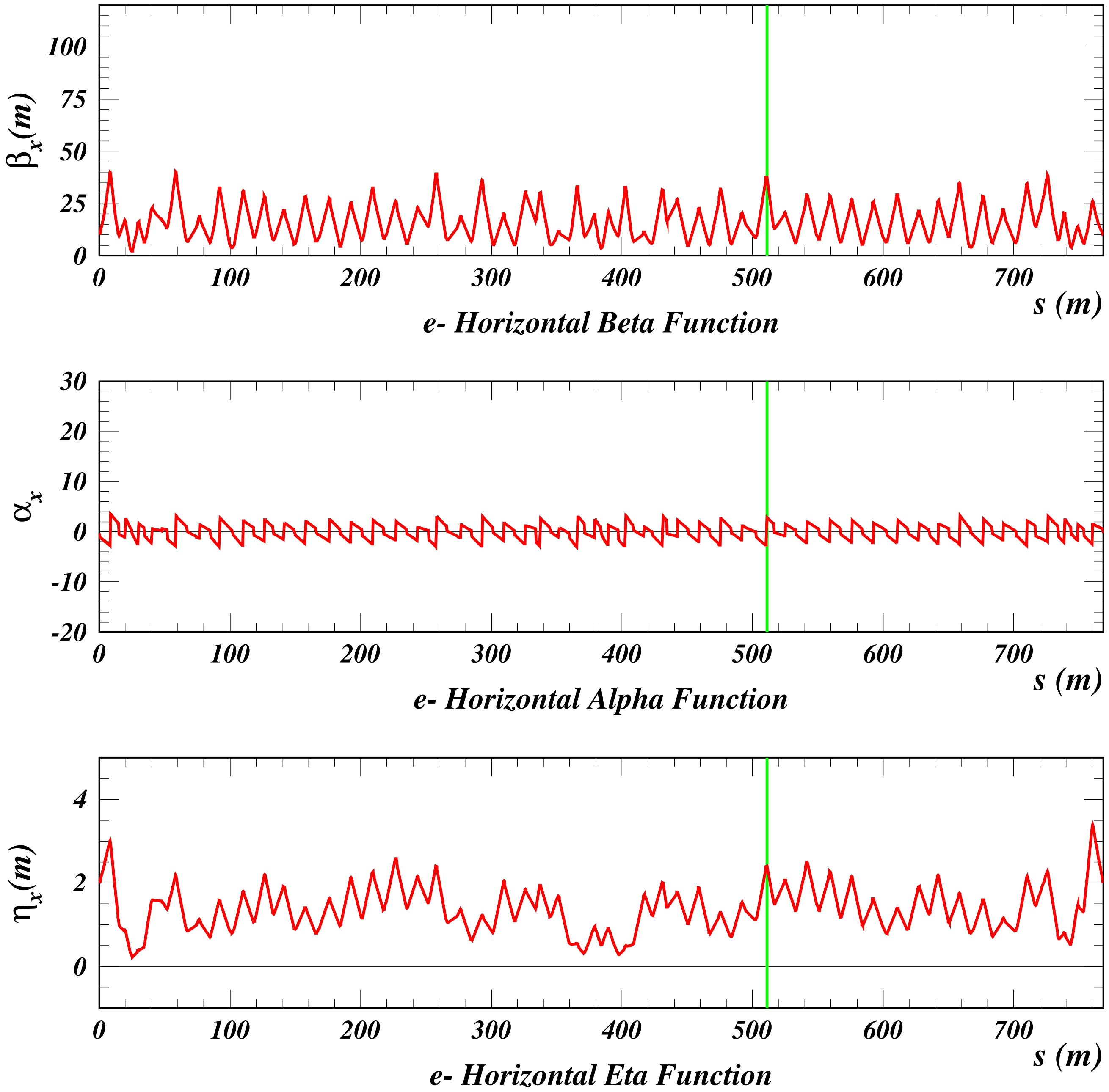

09/12/14 13.33
job_1952: Positron Twiss and Dispersion (BBI off, PRETZEL off)
$\beta_x(m)$
s (m)
e+ Horizontal Beta Function
α_x
s (m)
e+ Horizontal Alpha Function
$\eta_x(m)$
s (m)
e+ Horizontal Eta Function

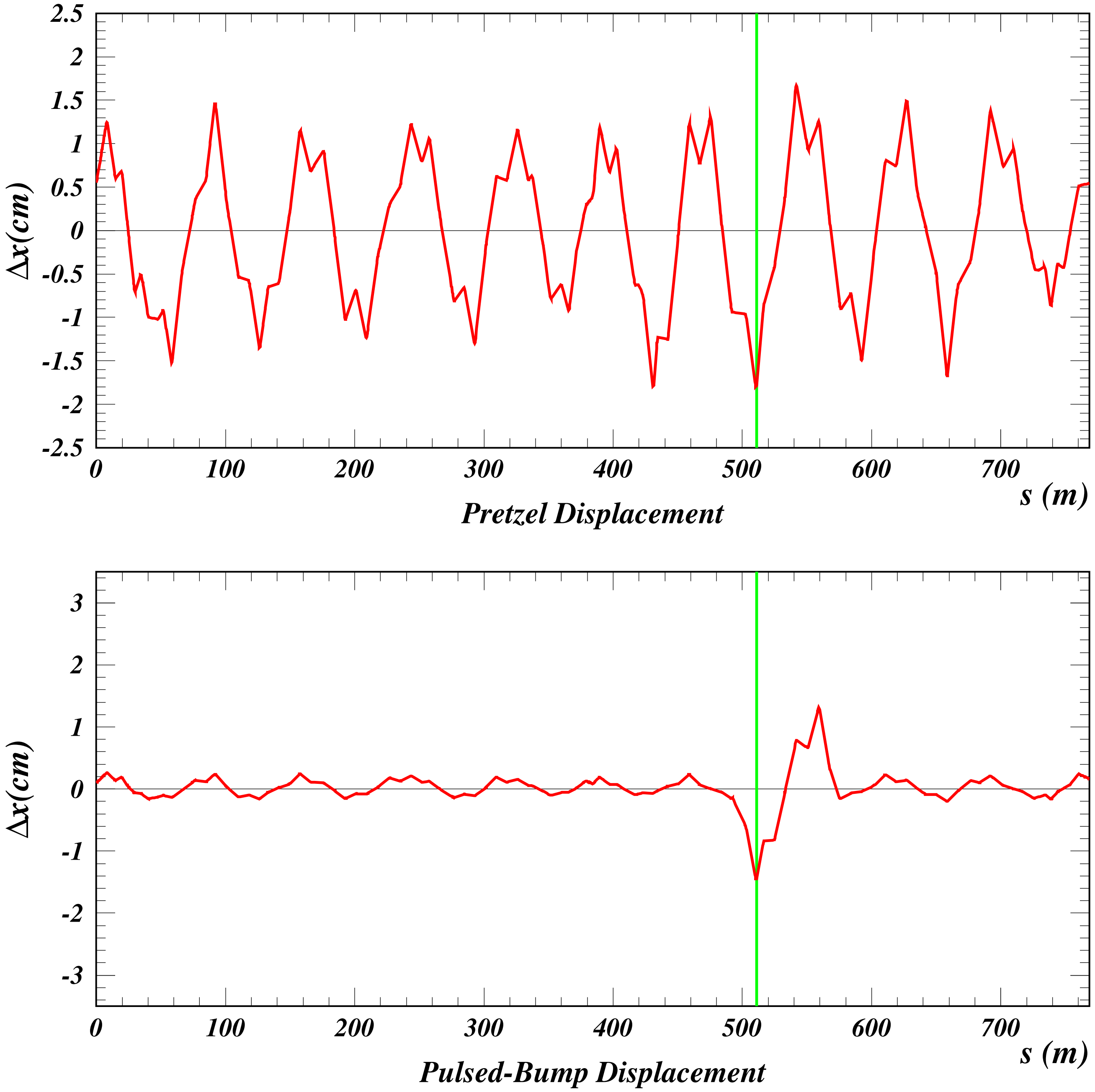
09/12/14 13.33

job_1952: Electron Twiss and Dispersion (BBI on, PRETZEL on)



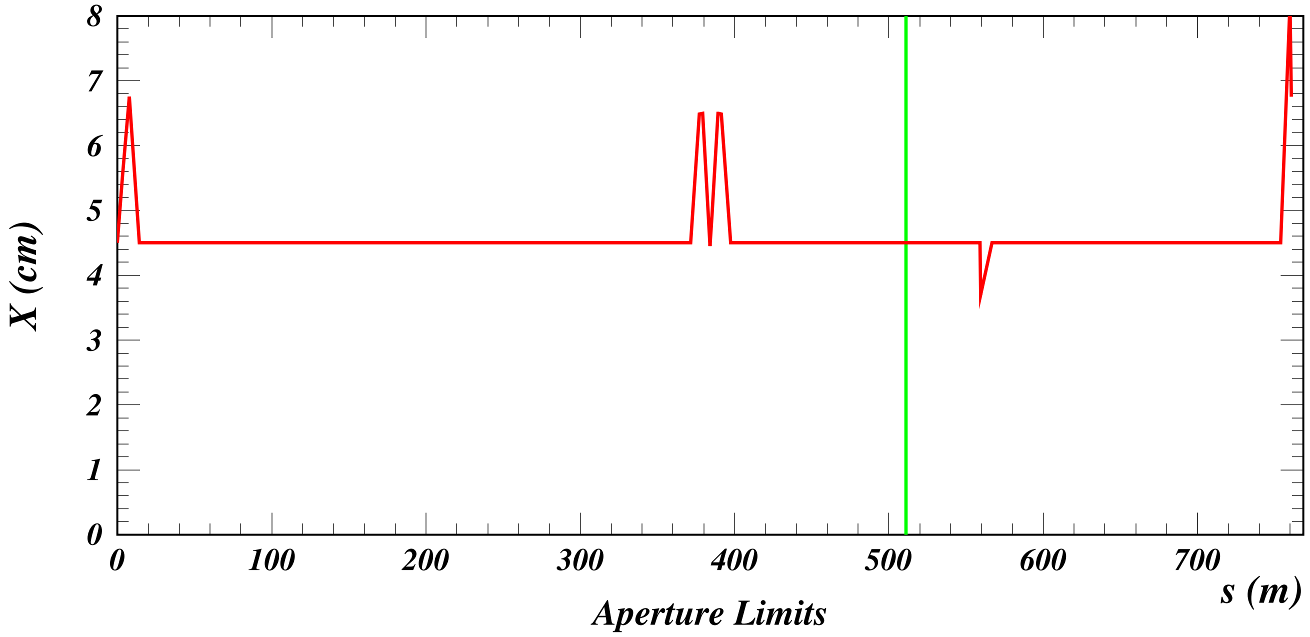
09/12/14 13.33

job_1952: Pretzel and Pulsed-Bump Displacements for Electrons

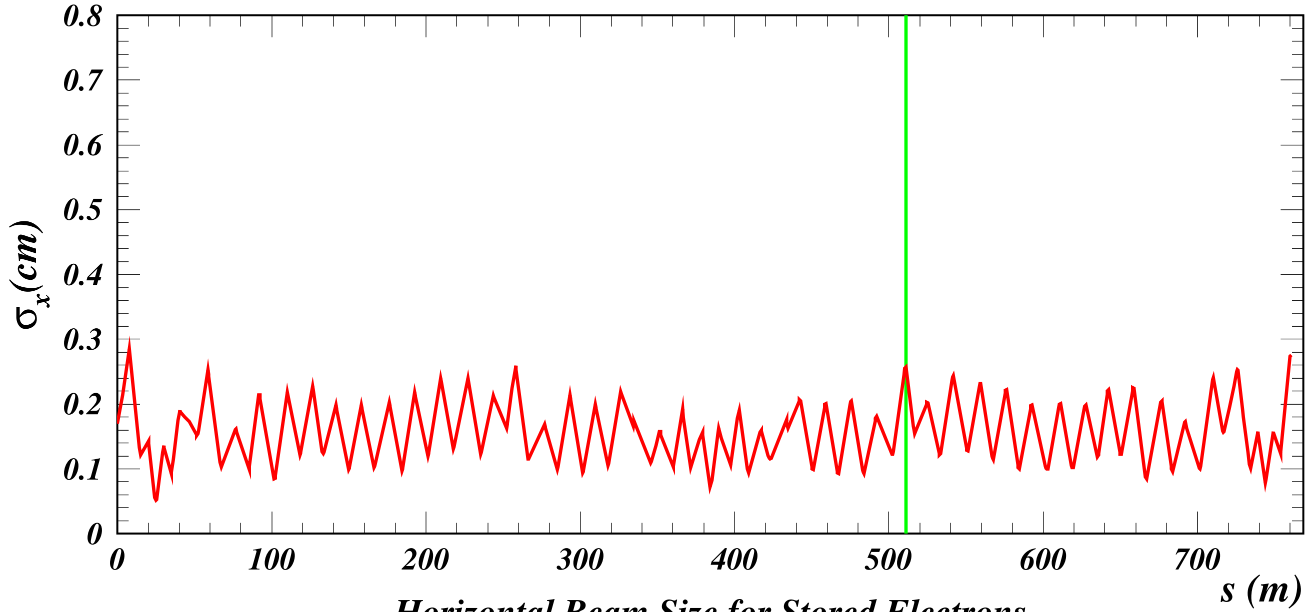


09/12/14 13.33

job_1952: Aperture Limits and Horizontal Beam Sizes

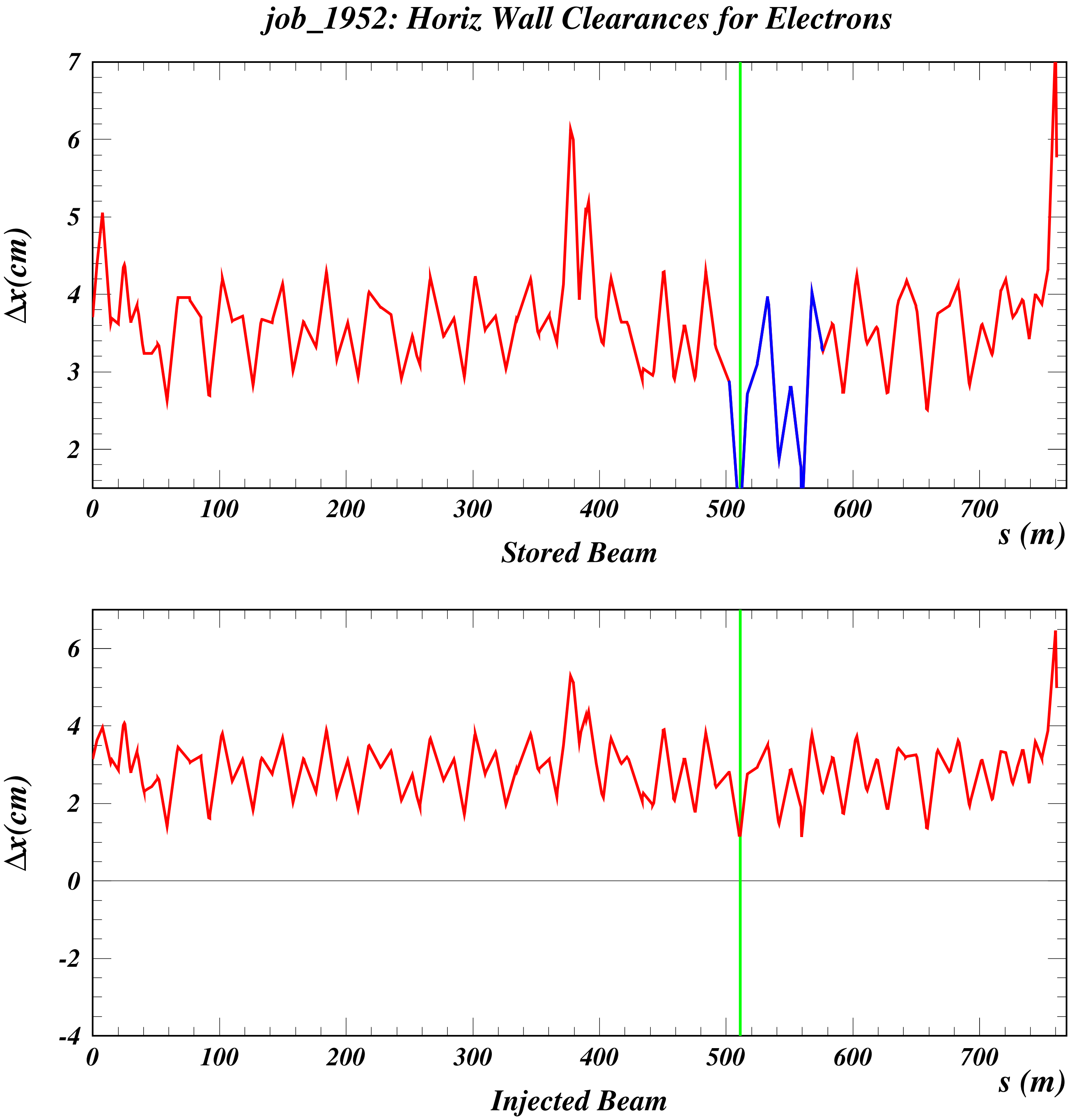


Aperture Limits



Horizontal Beam Size for Stored Electrons

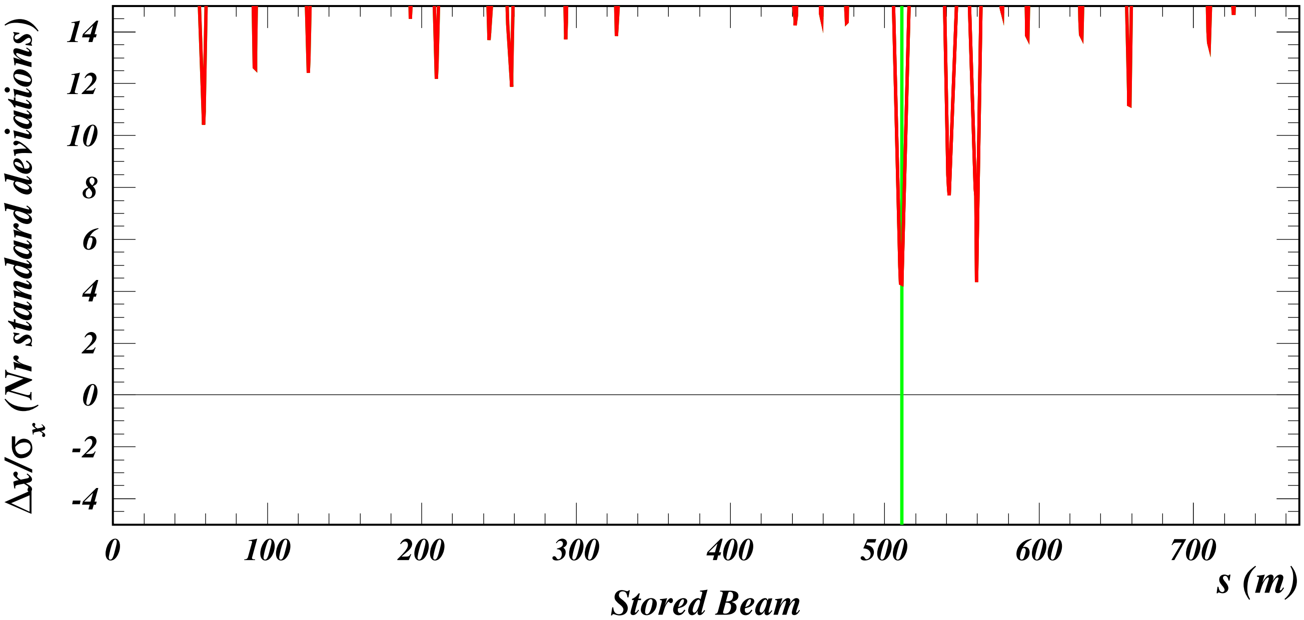
09/12/14 13.33



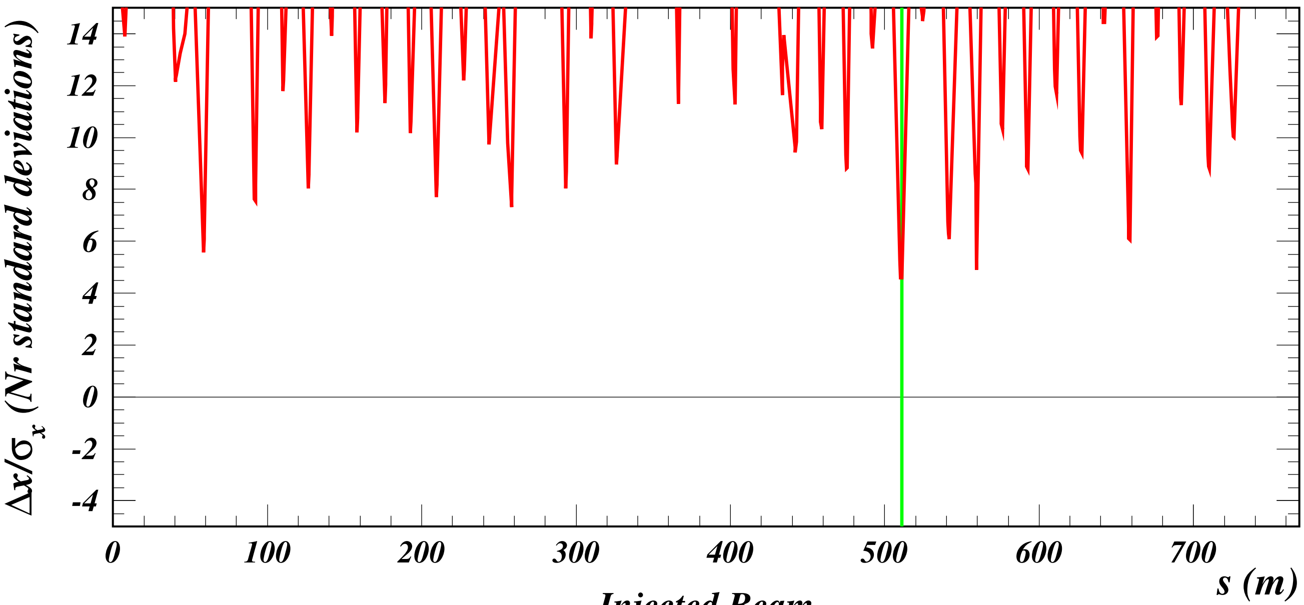
job_1952: Horiz Wall Clearances for Electrons
Δx(cm)
7
6
5
4
3
2
0
100
200
300
400
500
600
700
s (m)
Stored Beam
Δx(cm)
6
4
2
0
-2
-4
0
100
200
300
400
500
600
700
s (m)
Injected Beam

09/12/14   13.33

job_1952: Horiz Wall Clearances for Electrons



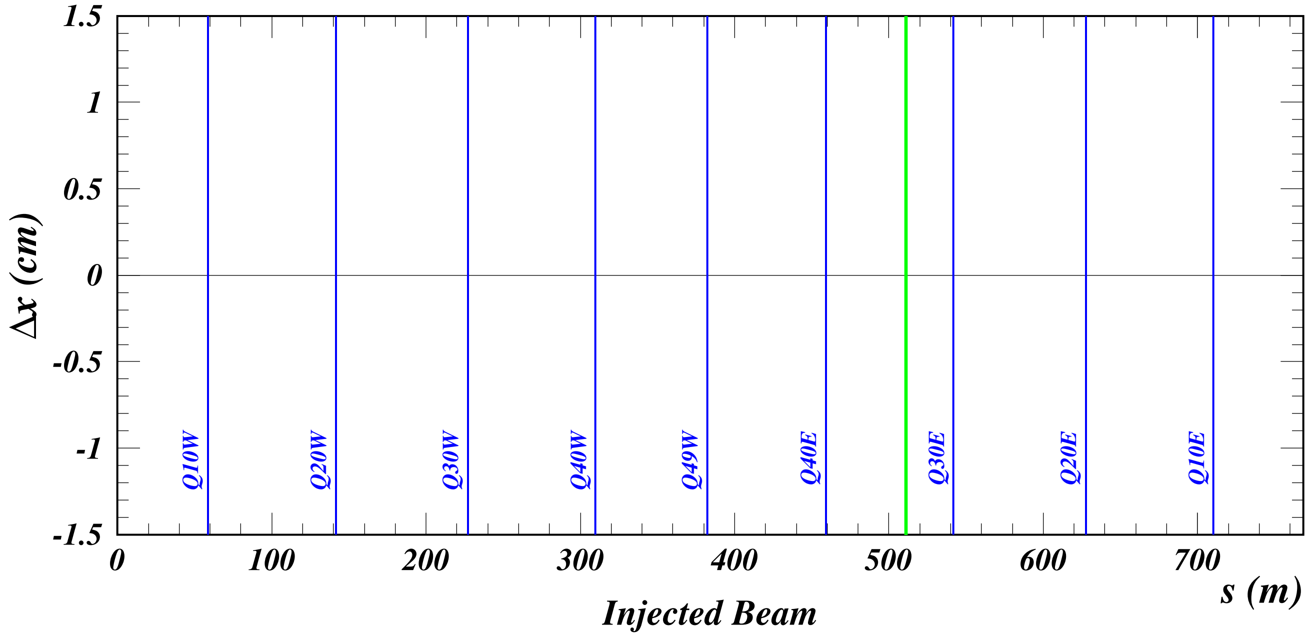
Stored Beam

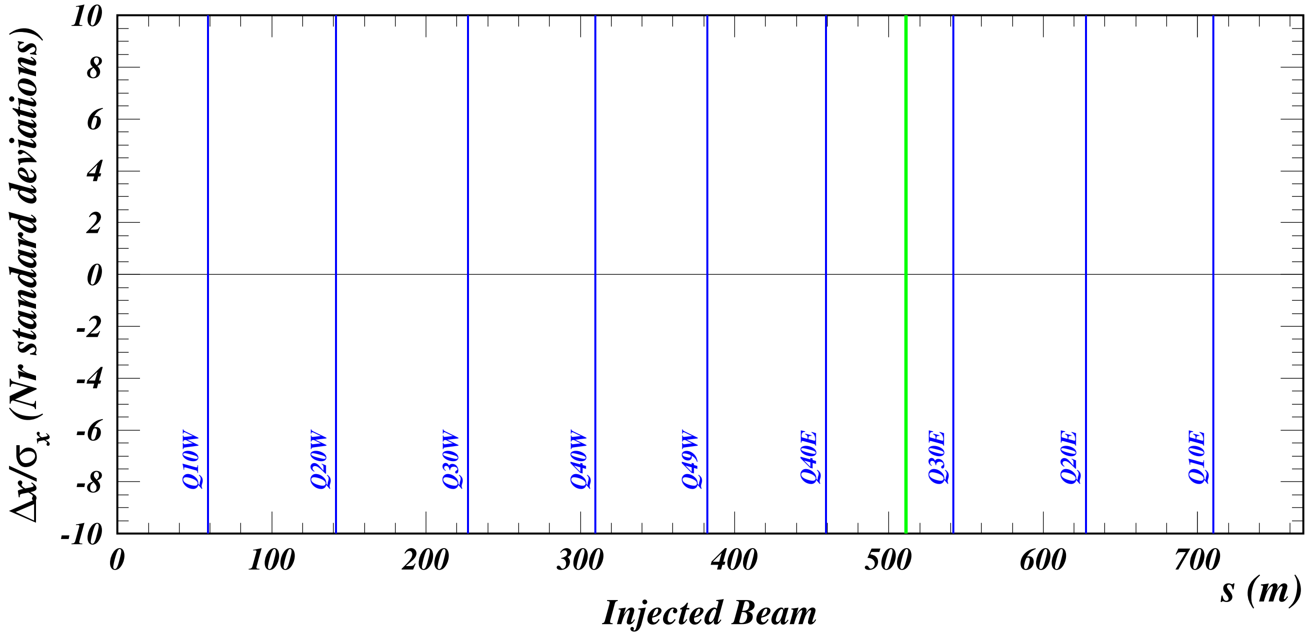


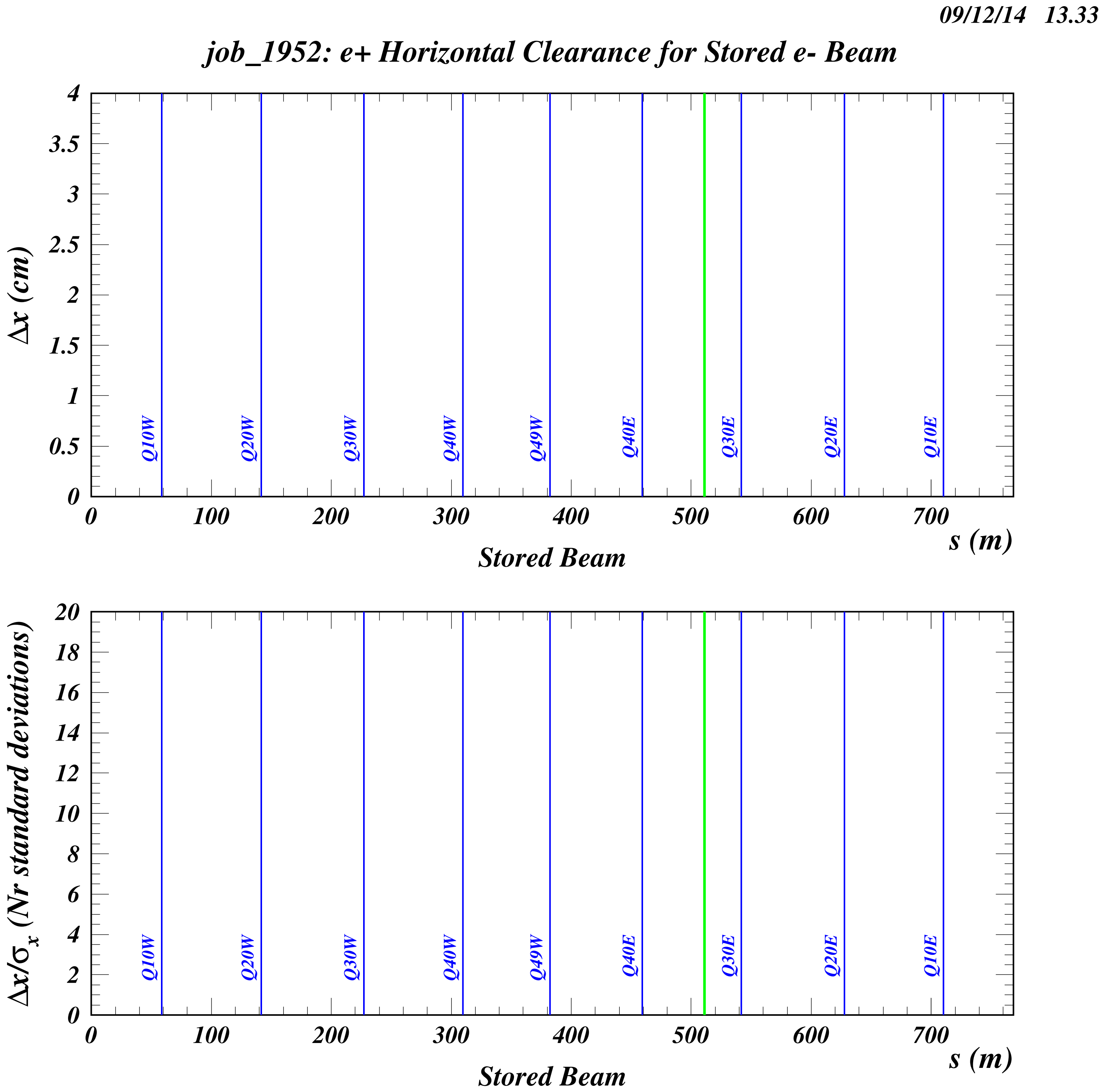
Injected Beam

09/12/14 13.33

job_1952: e+ Horizontal Clearance for Injected e- Beam

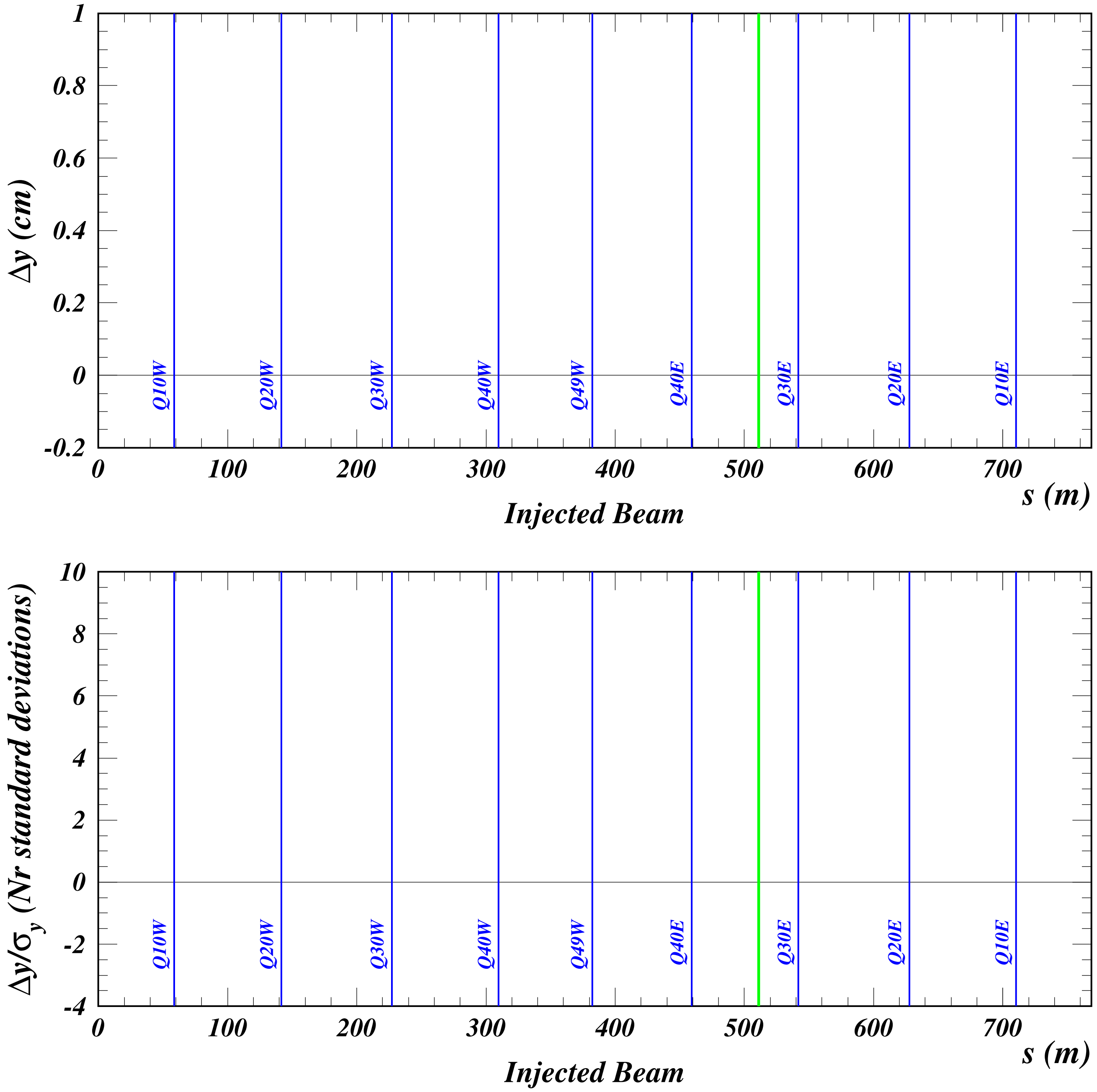


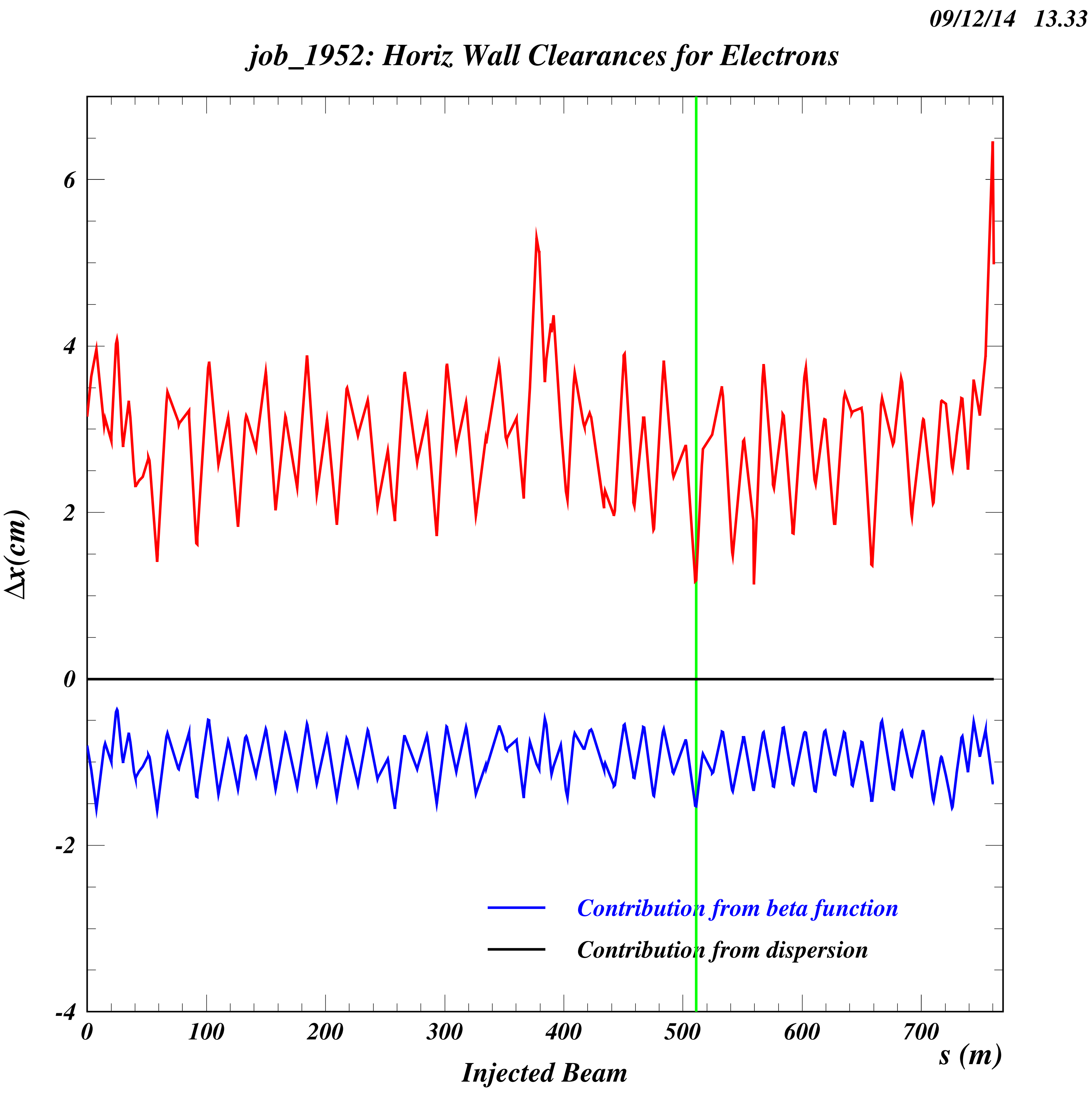



09/12/14 13.33
job_1952: e+ Horizontal Clearance for Stored e- Beam
Δx (cm)
Q10W
Q20W
Q30W
Q40W
Q49W
Q40E
Q30E
Q20E
Q10E
s (m)
Stored Beam
Δx/σx (Nr standard deviations)
s (m)
Stored Beam

09/12/14 13.33

job_1952: e+ Vertical Clearance for Injected e- Beam




09/12/14 13.33
job_1952: Horiz Wall Clearances for Electrons
Δx(cm)
6
4
2
0
-2
-4
0
100
200
300
400
500
600
700
s (m)
Injected Beam
Contribution from beta function
Contribution from dispersion