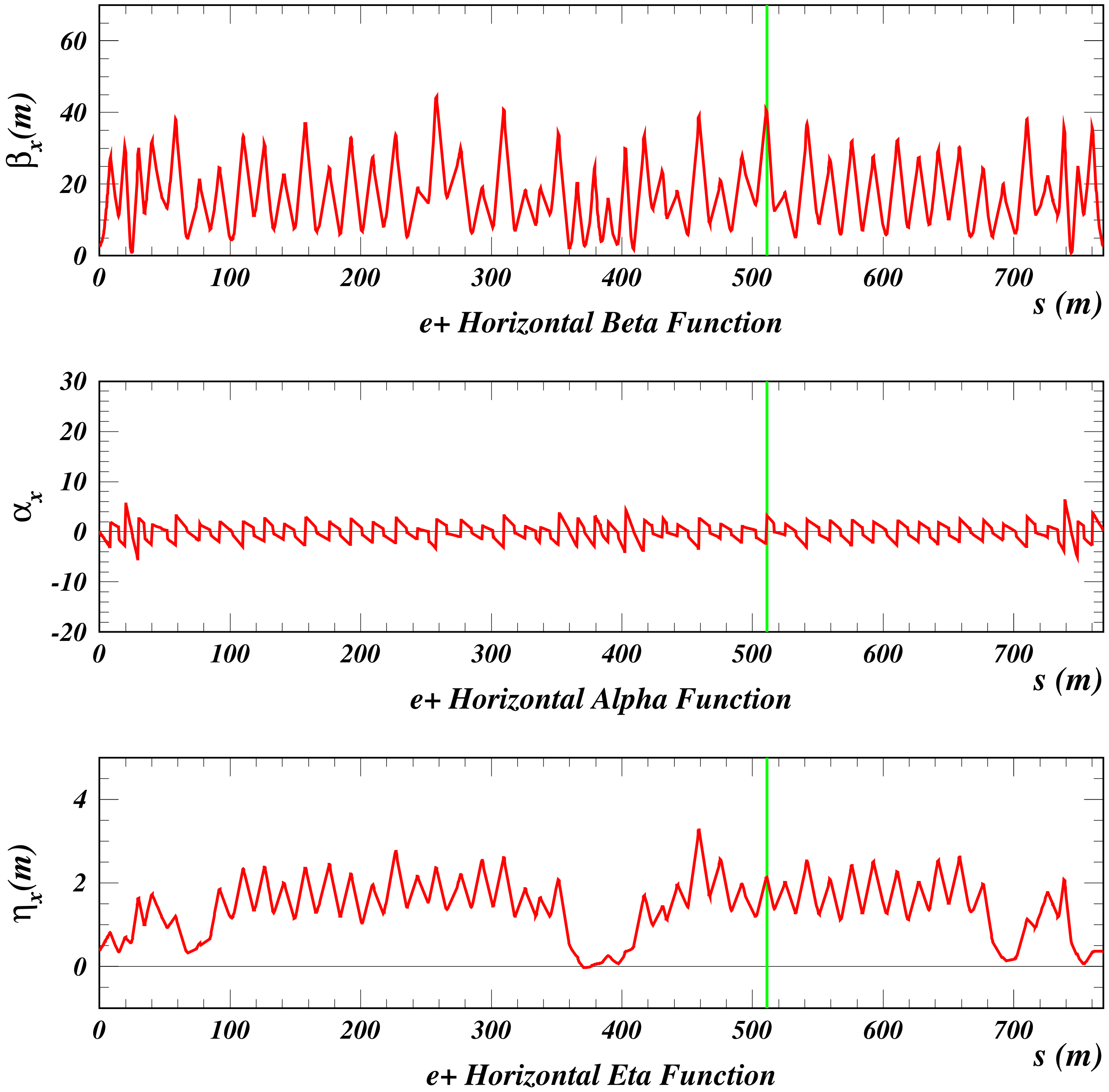
09/12/14 13.33

job_1965: Positron Twiss and Dispersion (BBI off, PRETZEL off)



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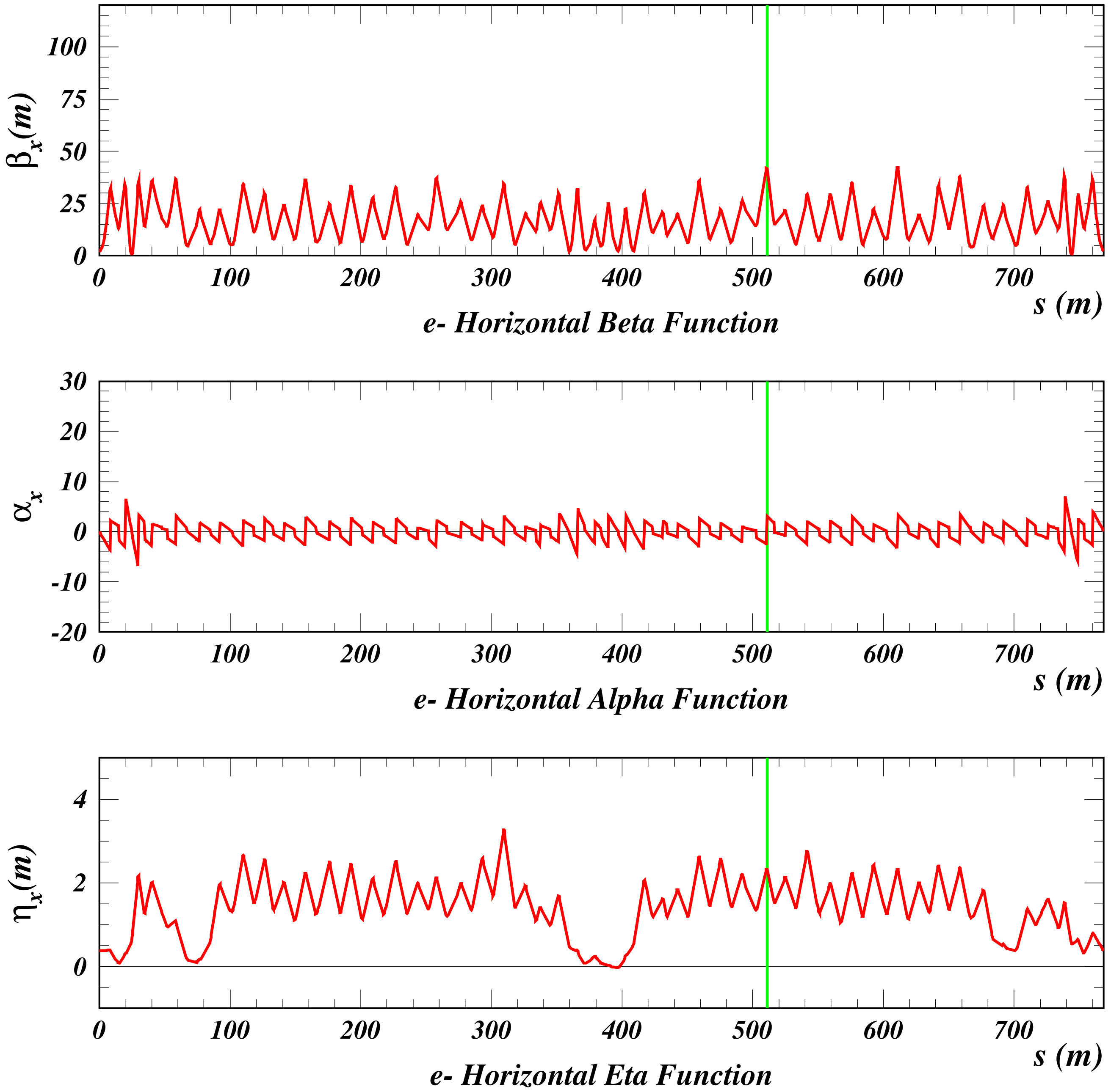
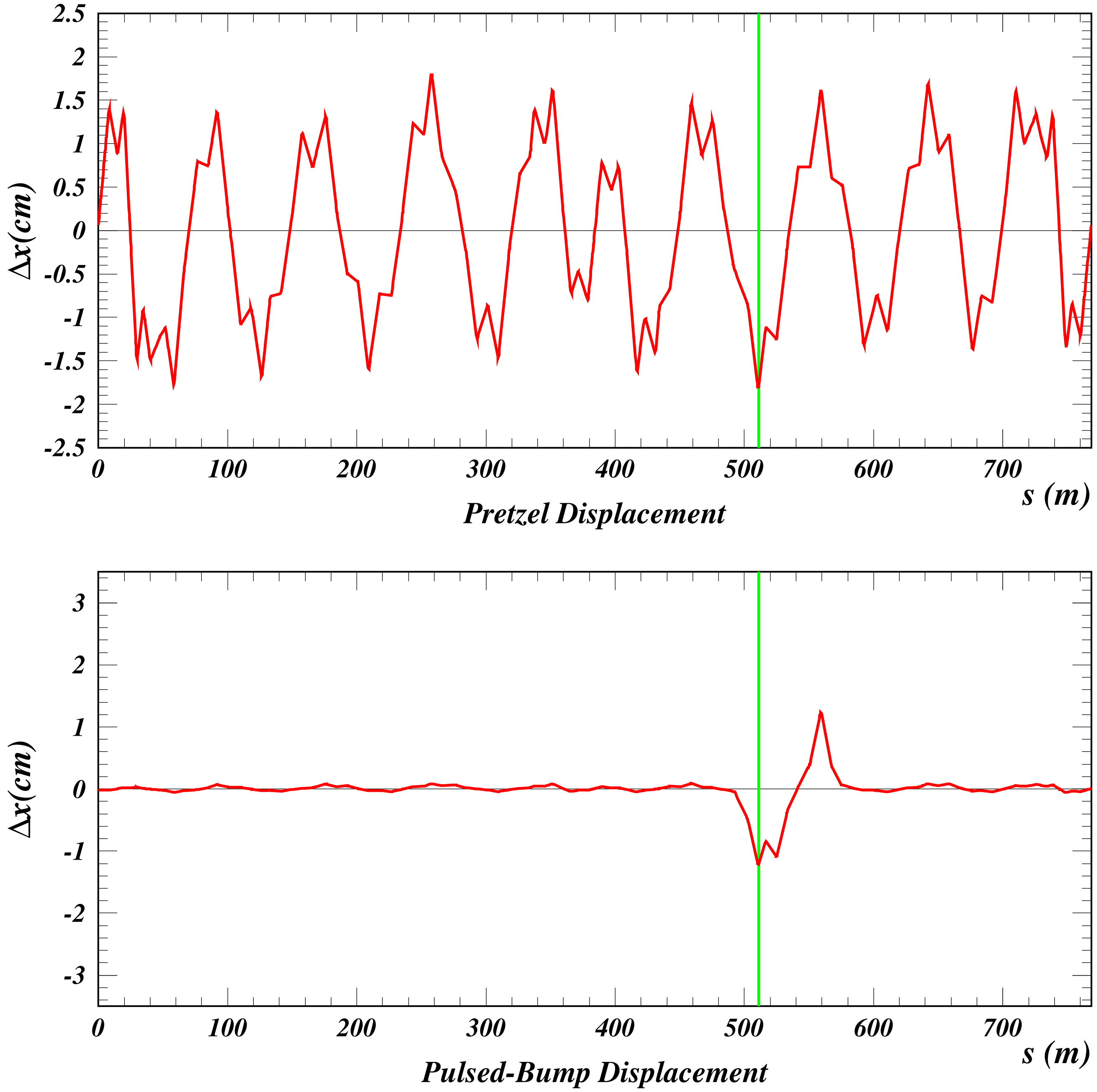
job_1965: Electron Twiss and Dispersion (BBI on, PRETZEL on)



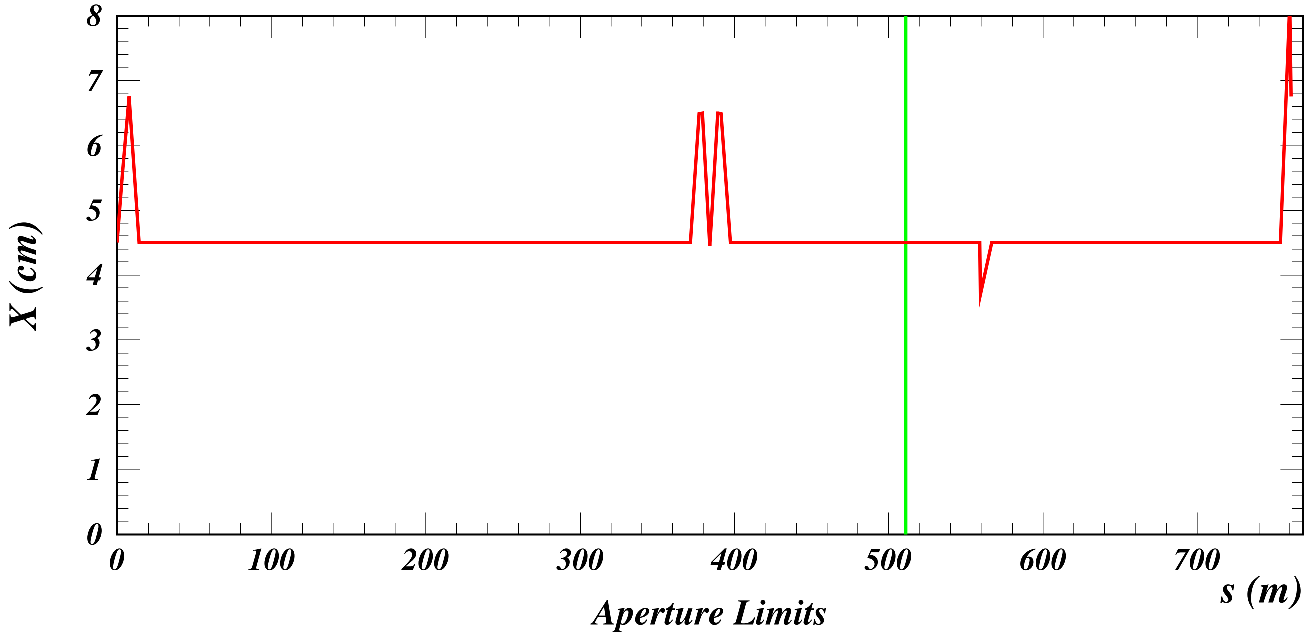
09/12/14 13.33

job_1965: Pretzel and Pulsed-Bump Displacements for Electrons

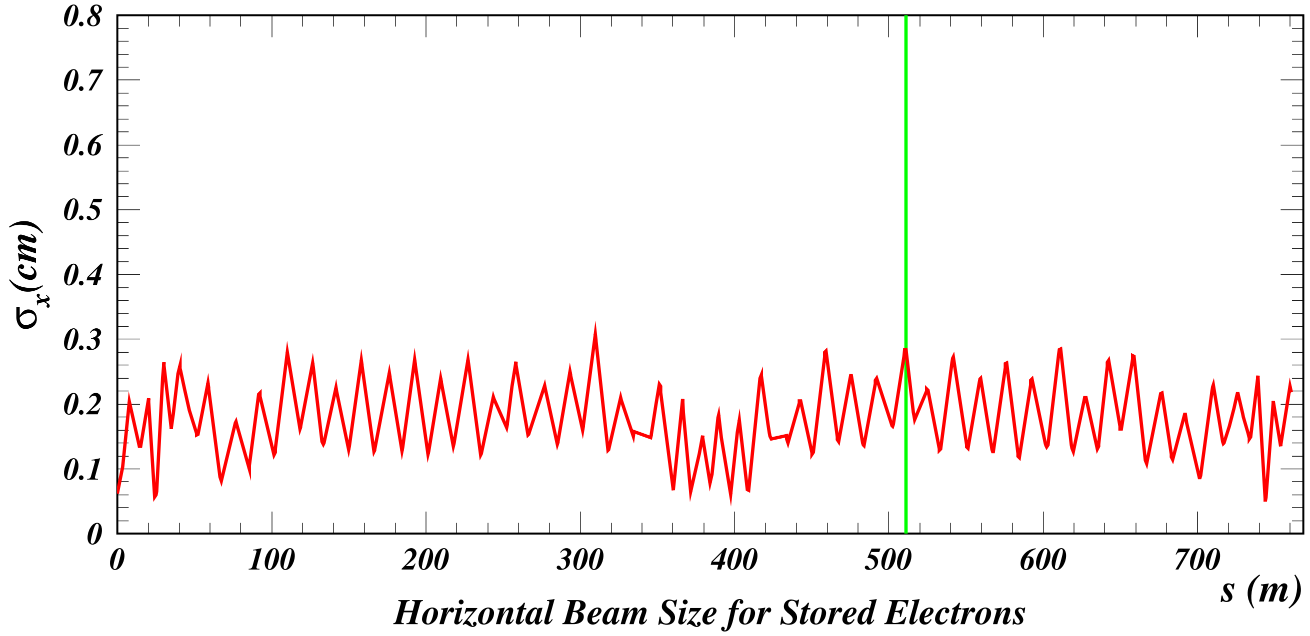


09/12/14   13.33

job_1965: Aperture Limits and Horizontal Beam Sizes



Aperture Limits



Horizontal Beam Size for Stored Electrons

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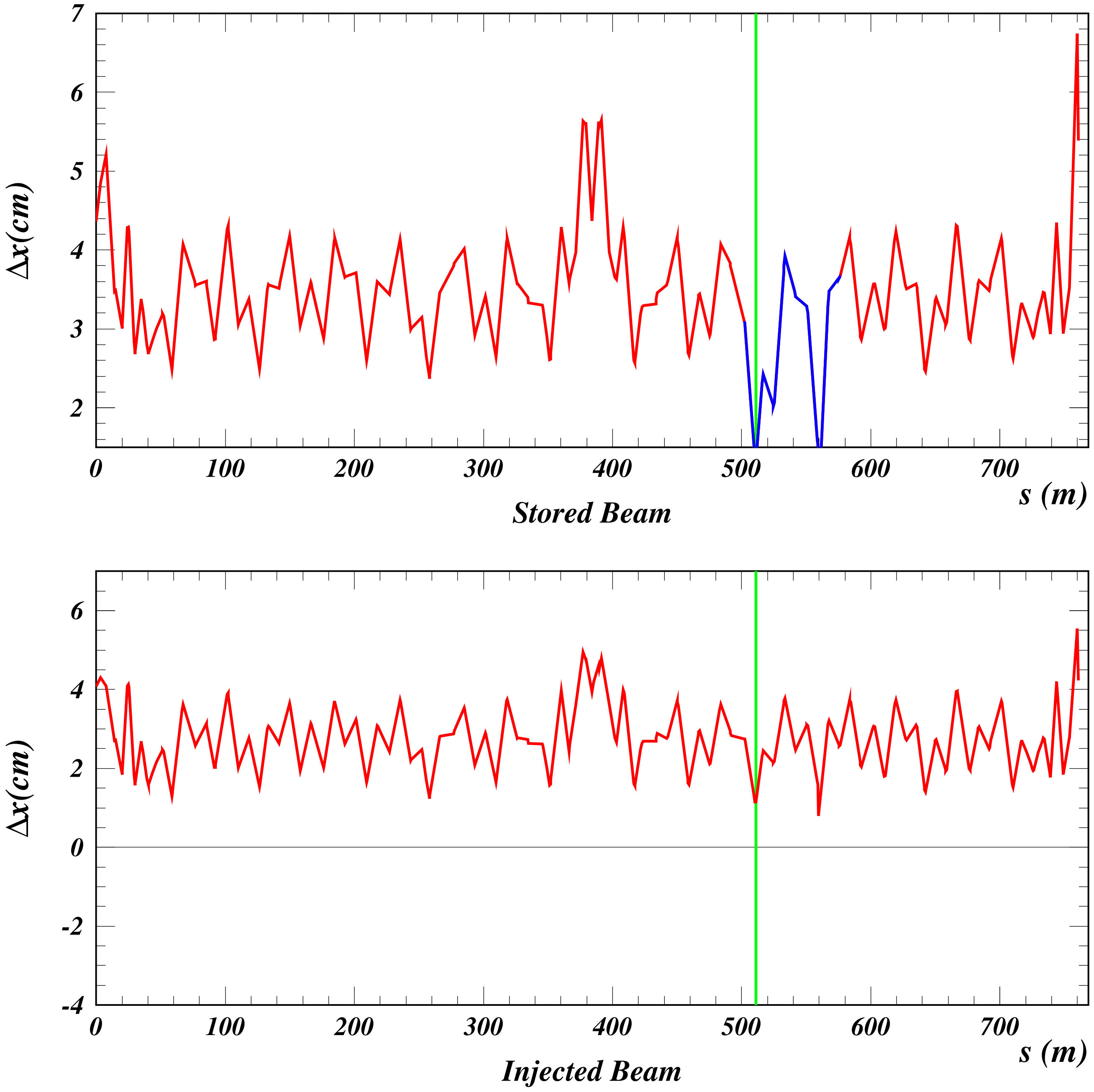
job_1965: Horiz Wall Clearances for Electrons



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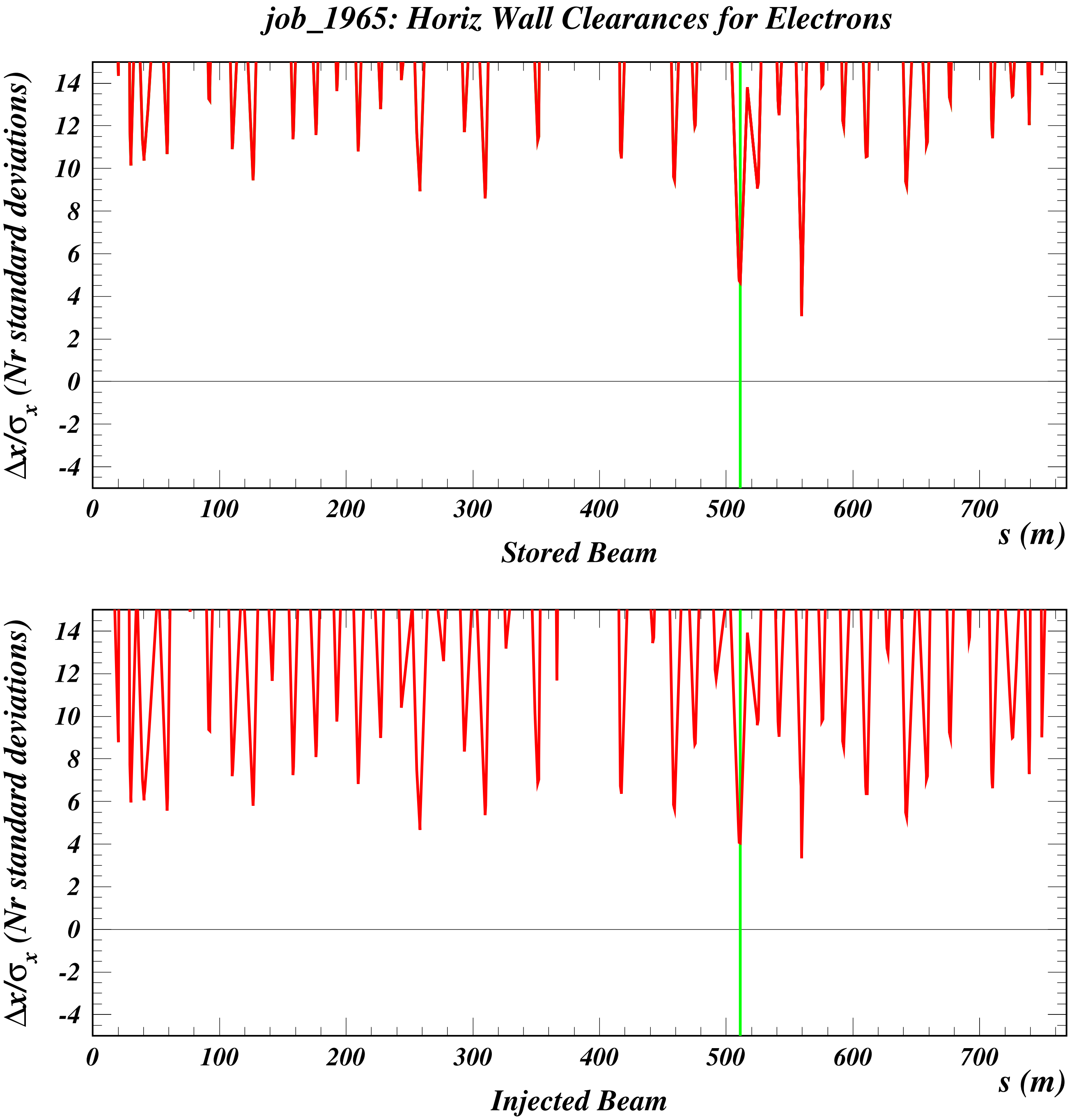
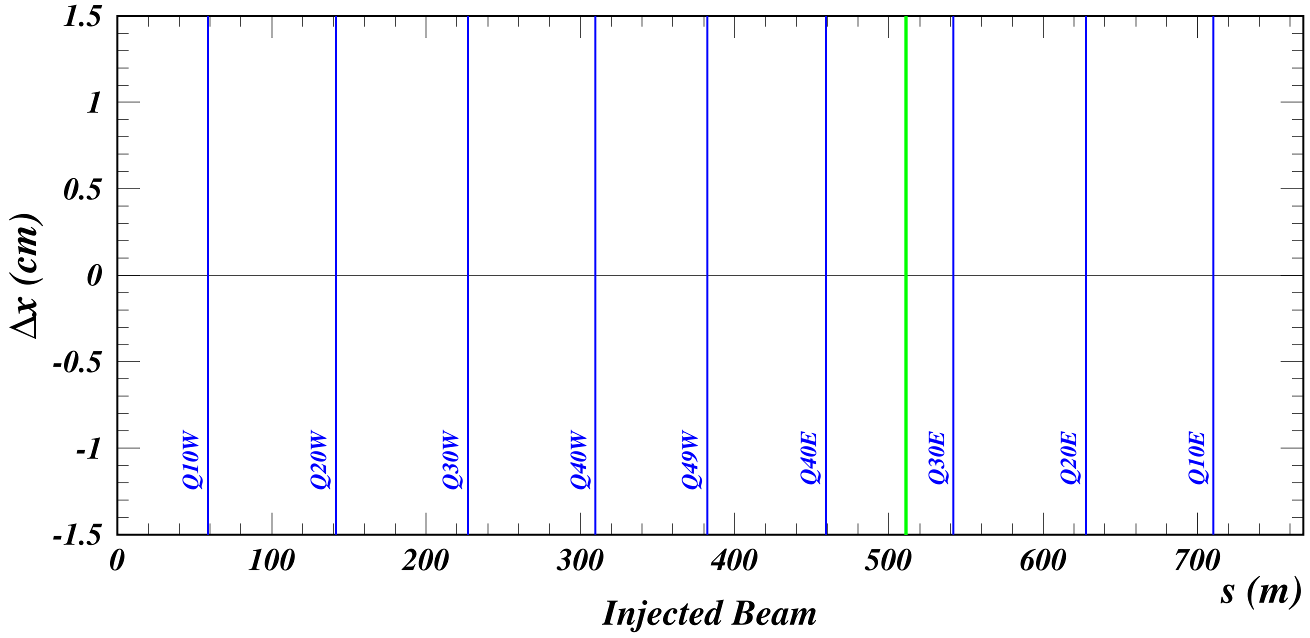
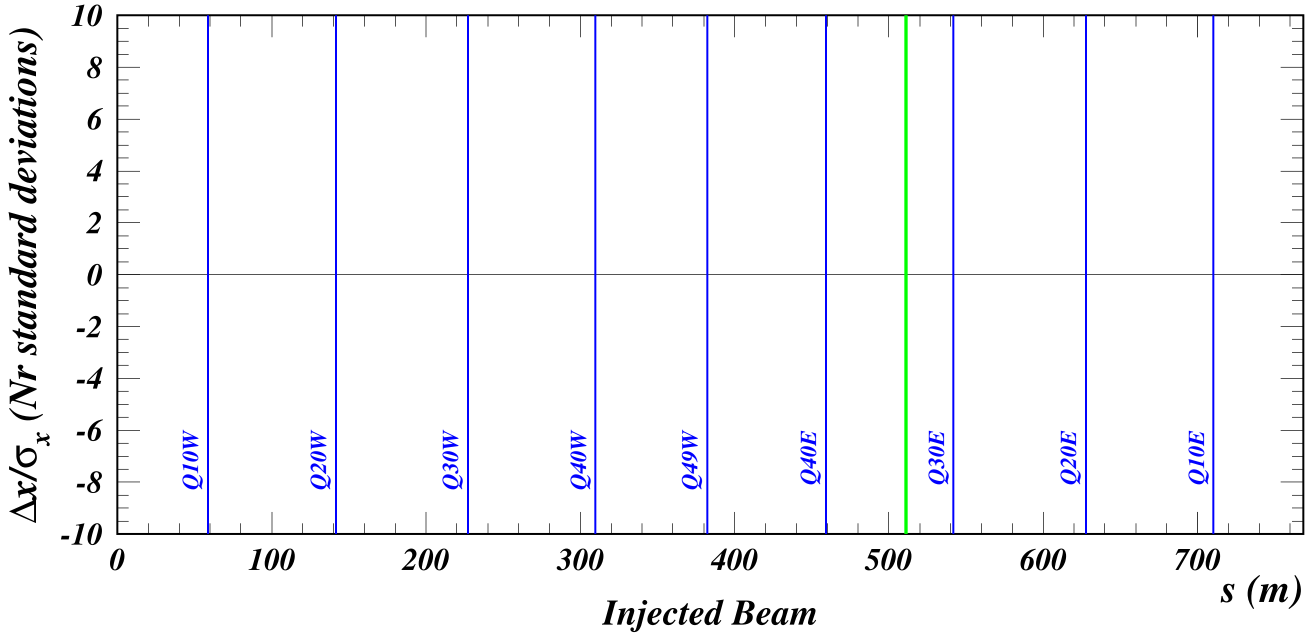

job_1965: Horiz Wall Clearances for Electrons
Δx/σ_x (Nr standard deviations)
14
12
10
8
6
4
2
0
-2
-4
0
100
200
300
400
500
600
700
s (m)
Stored Beam
Δx/σ_x (Nr standard deviations)
14
12
10
8
6
4
2
0
-2
-4
0
100
200
300
400
500
600
700
s (m)
Injected Beam

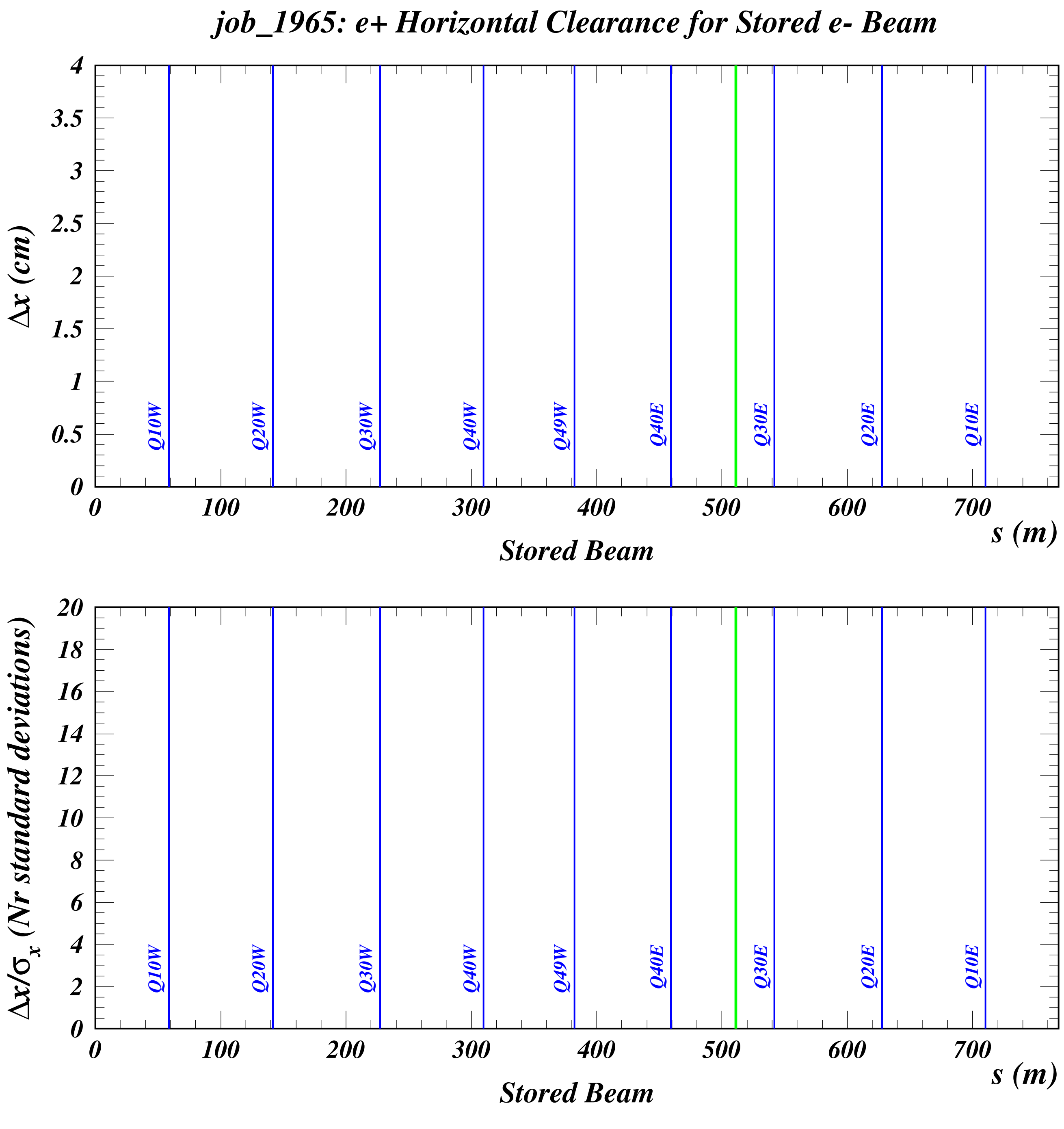
09/12/14 13.33

job_1965: e+ Horizontal Clearance for Injected e- Beam



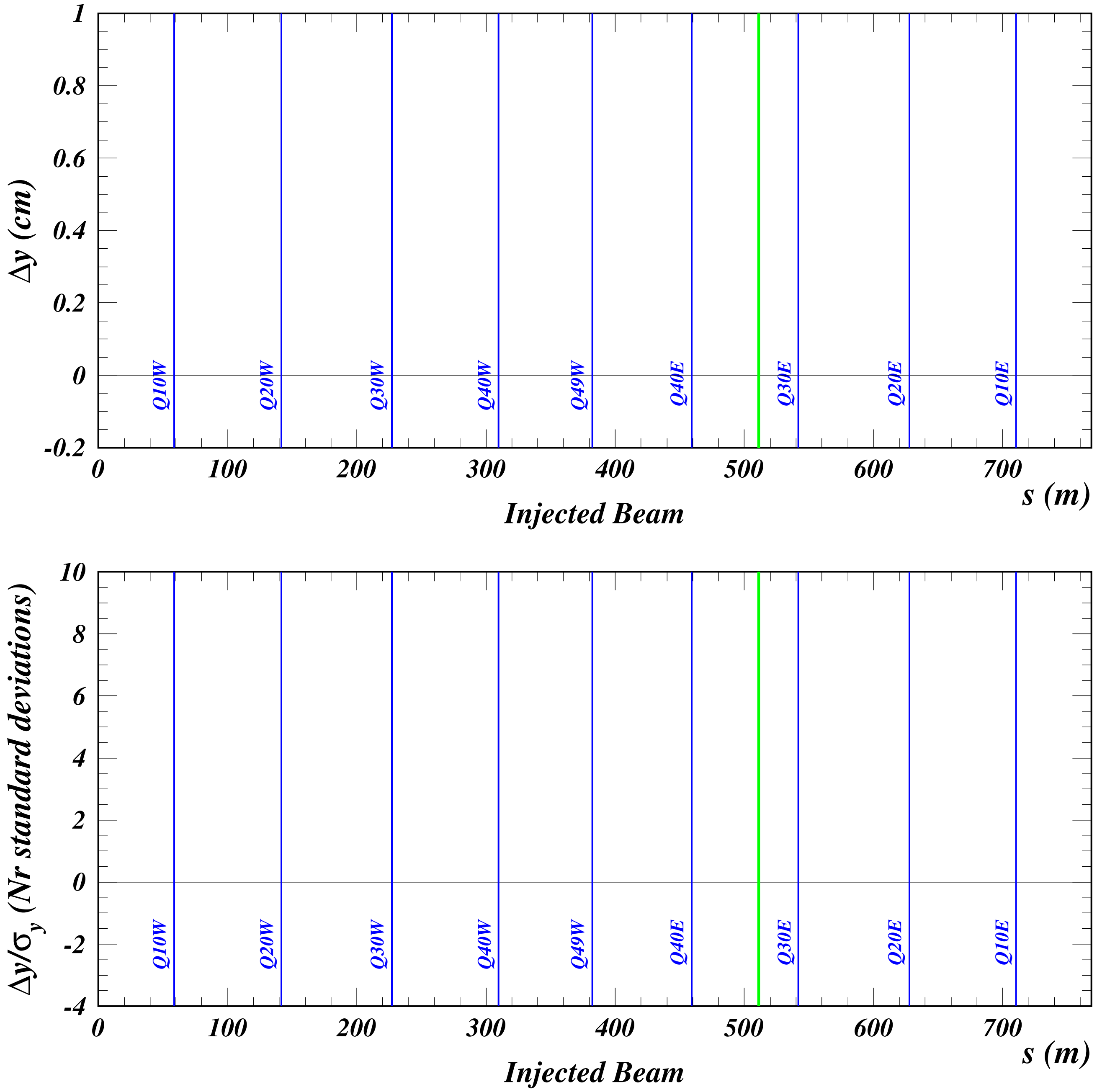


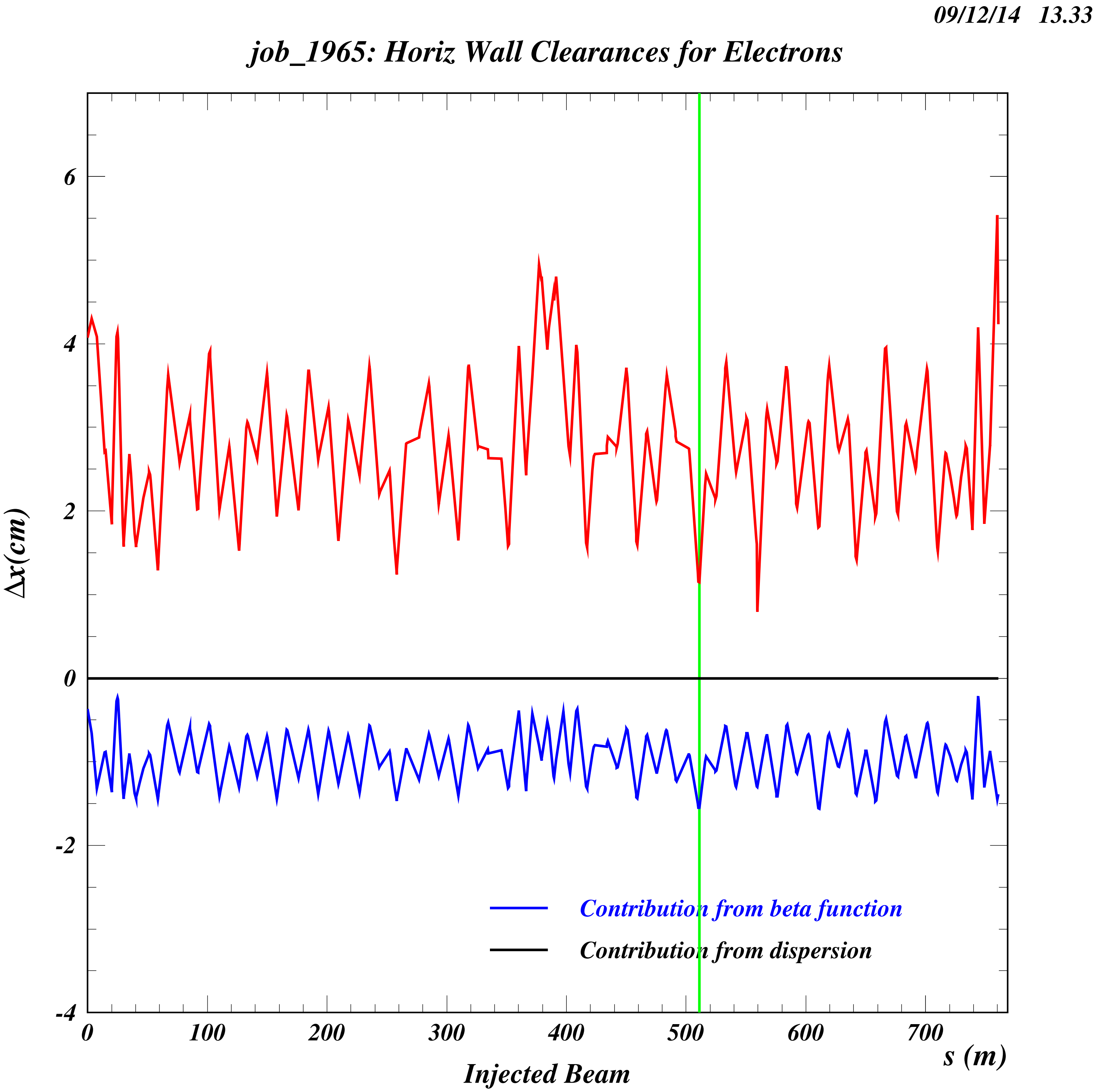
09/12/14 13.33


job_1965: e+ Horizontal Clearance for Stored e- Beam
Δx (cm)
s (m)
Stored Beam
Δx/σ_x (Nr standard deviations)
Q10W
Q20W
Q30W
Q40W
Q49W
Q40E
Q30E
Q20E
Q10E

09/12/14 13.33

job_1965: e+ Vertical Clearance for Injected e- Beam





09/12/14 13.33
job_1965: 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