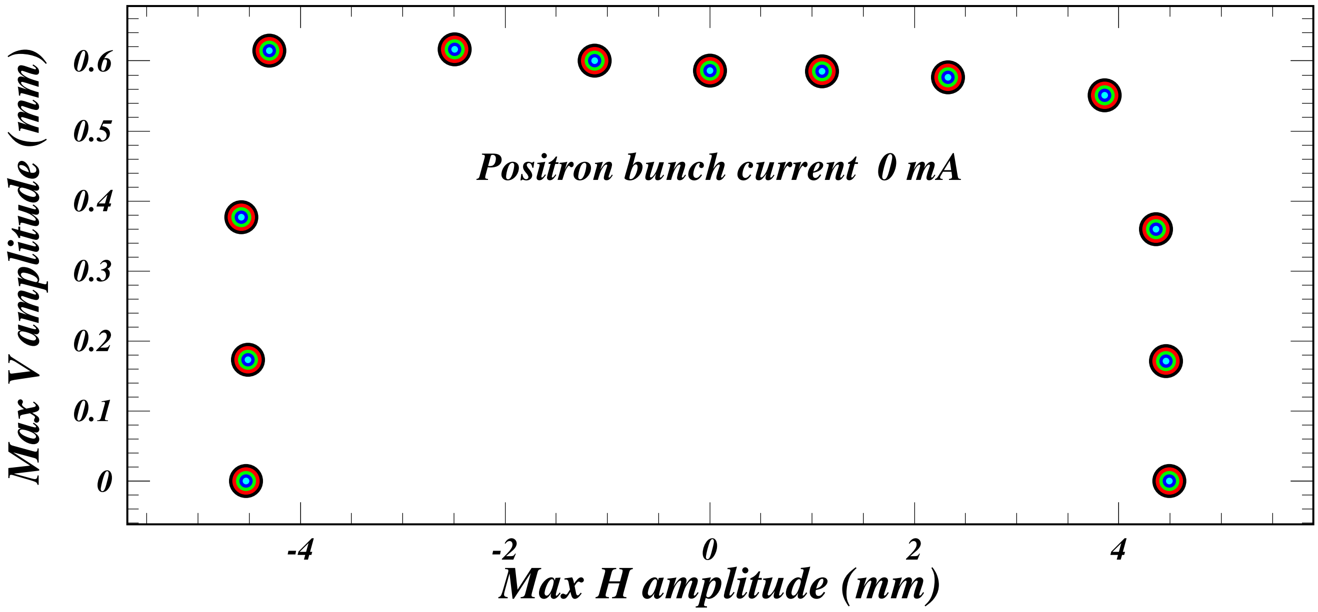
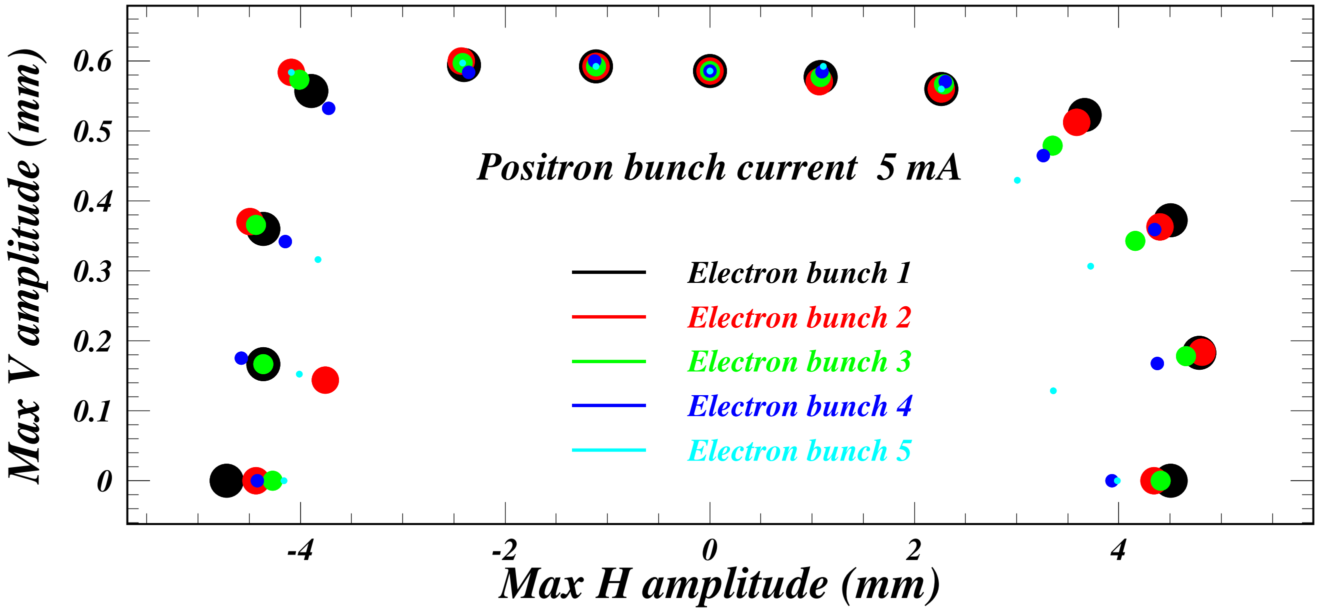
06/05/15 08.55

Dynamic Aperture Calculations for Job 1287: Train 1 Energy offset 0



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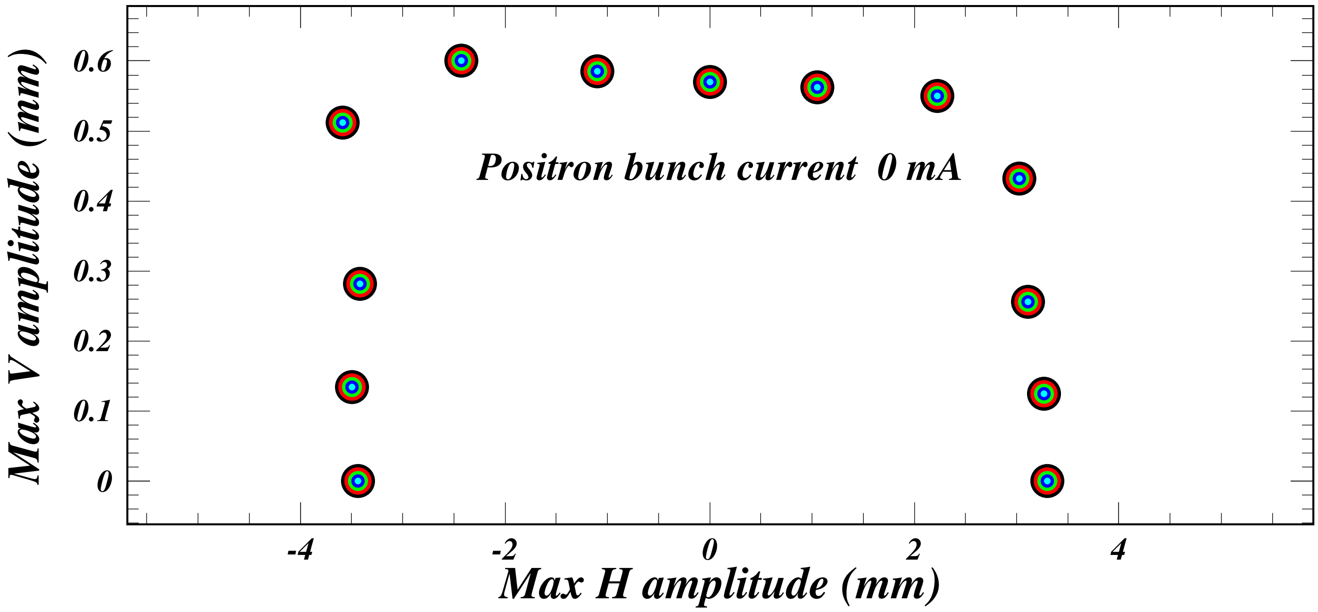
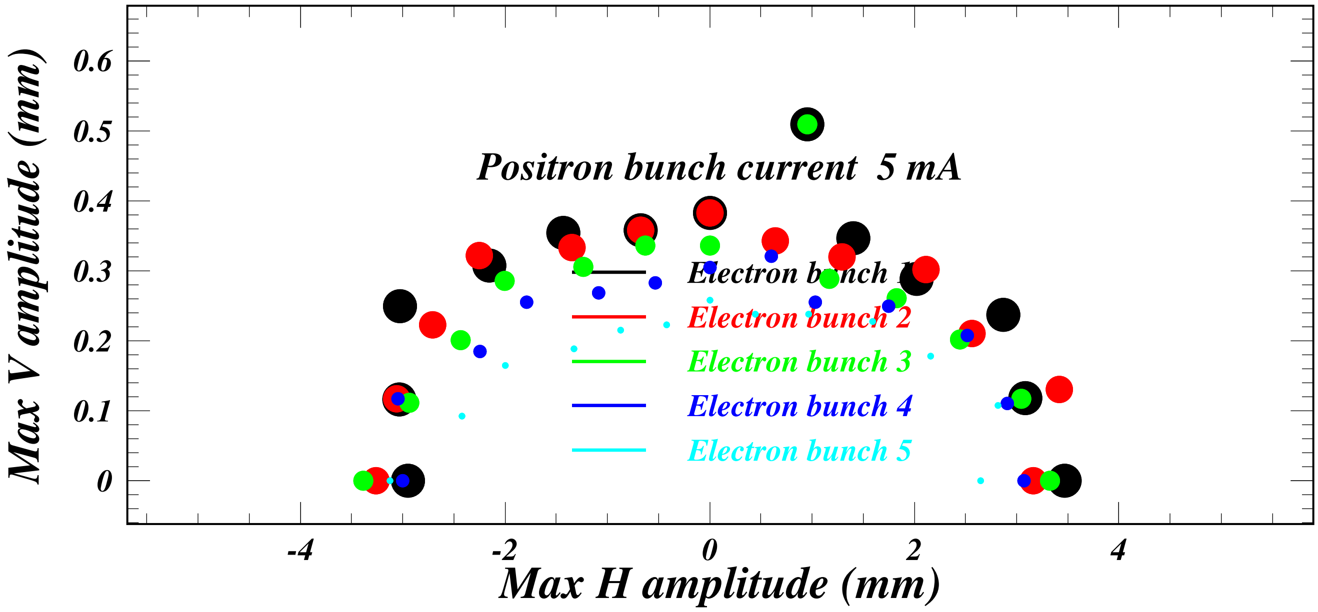
Dynamic Aperture Calculations for Job 1287: Train 1 Energy offset 0.003



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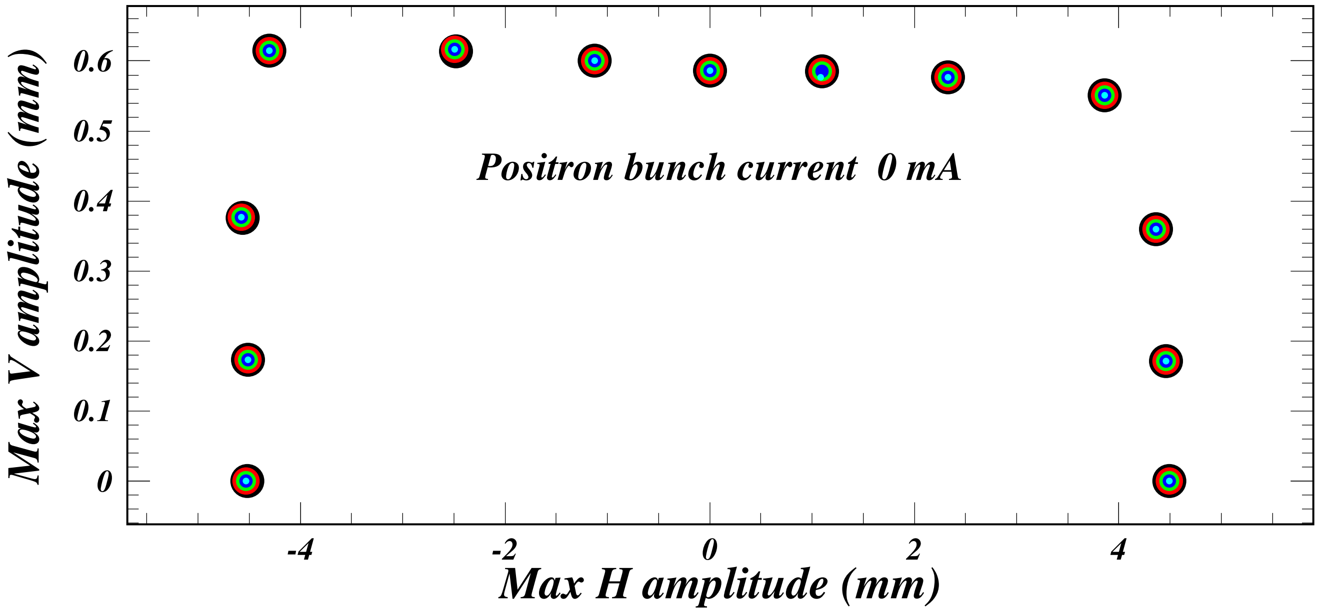
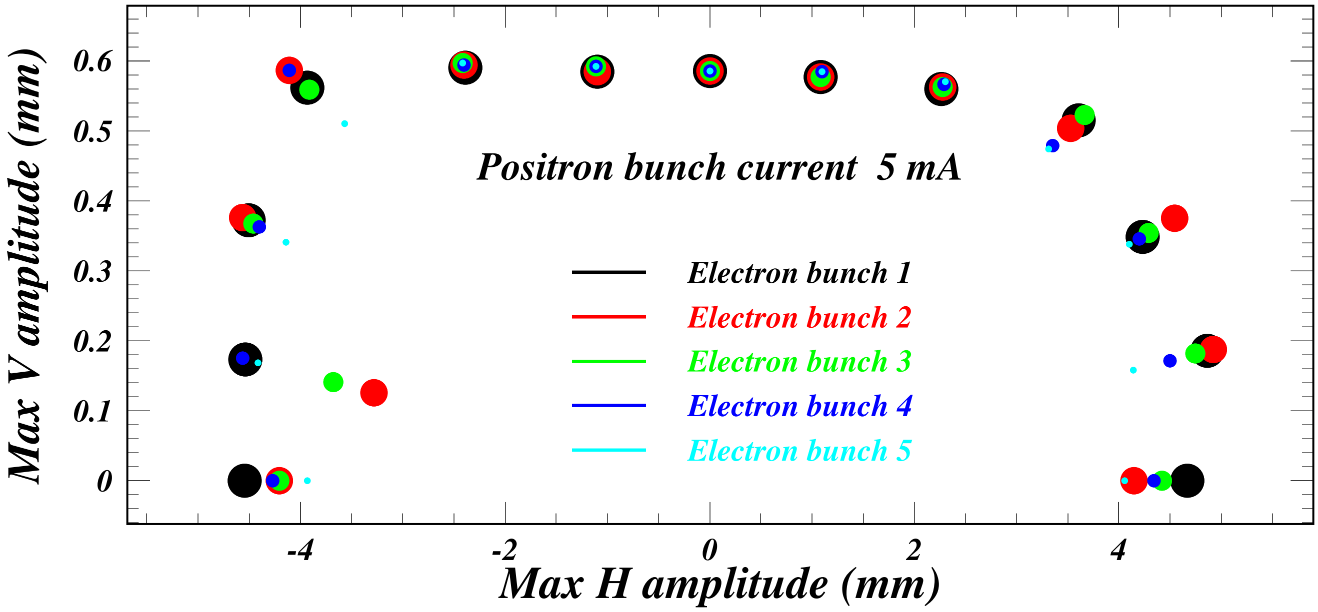
Dynamic Aperture Calculations for Job 1287:  Train 2   Energy offset  0



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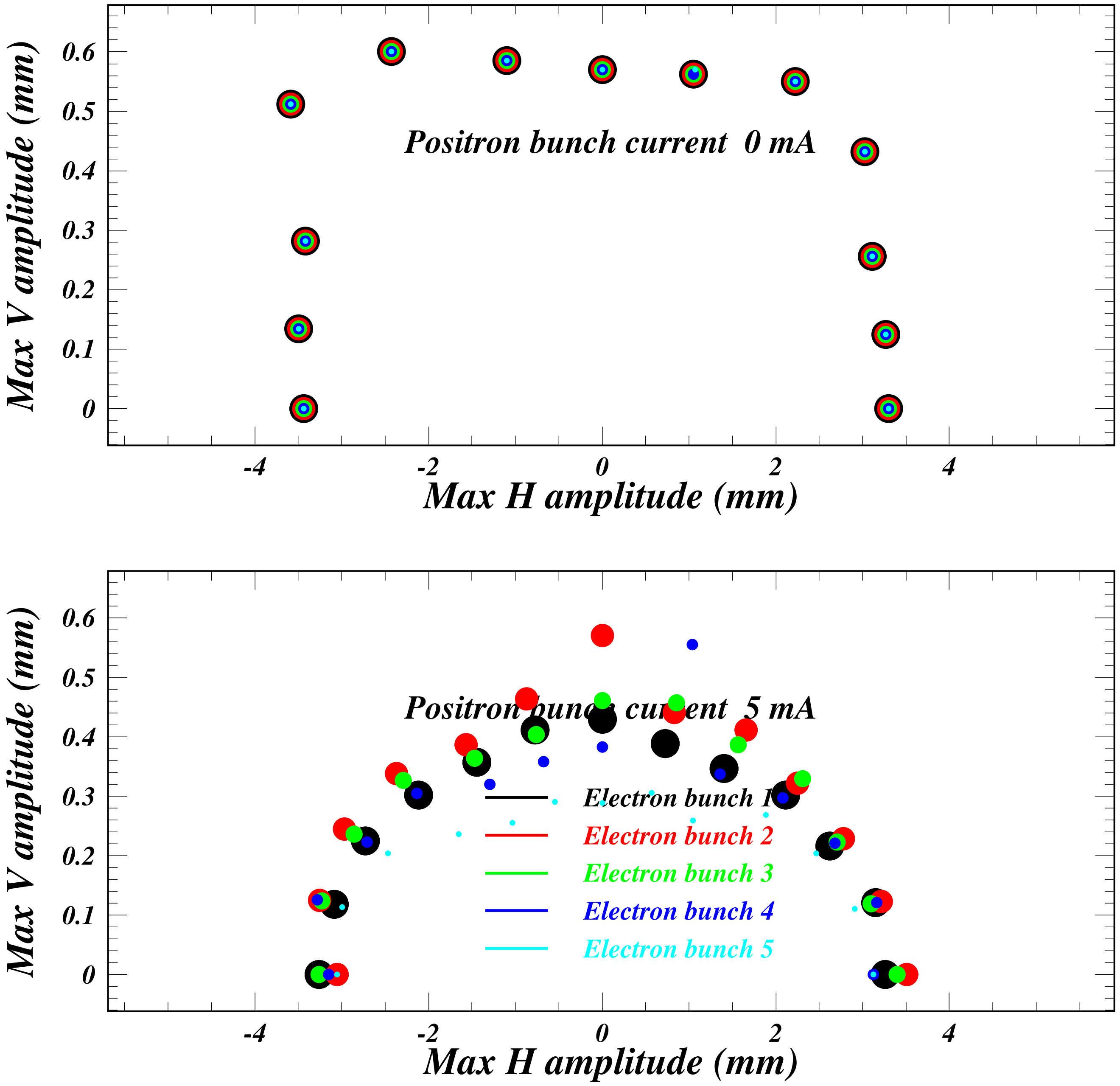
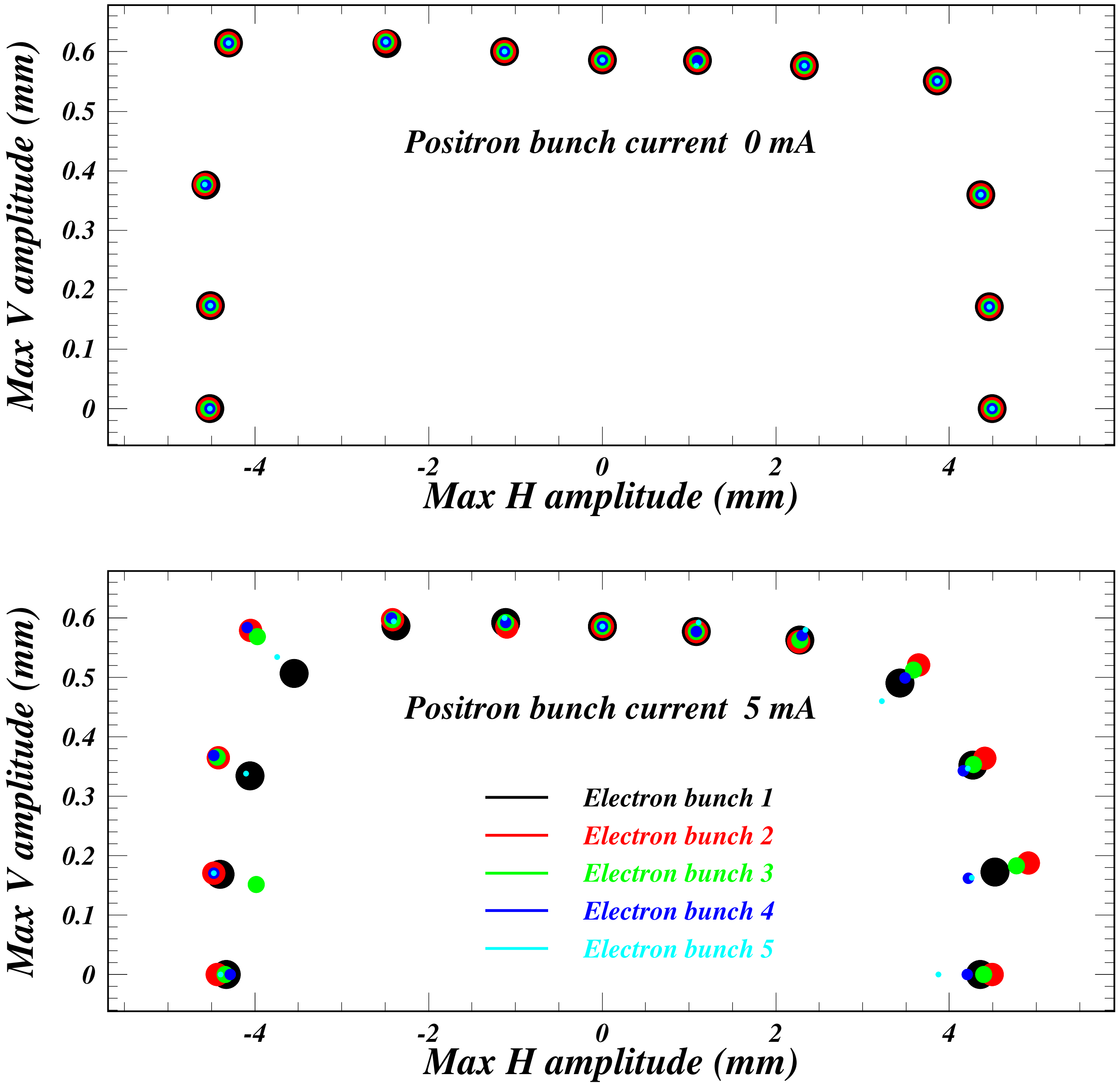
Dynamic Aperture Calculations for Job 1287: Train 2 Energy offset 0.003



*Dynamic Aperture Calculations for Job 1287: Train 3 Energy offset 0*



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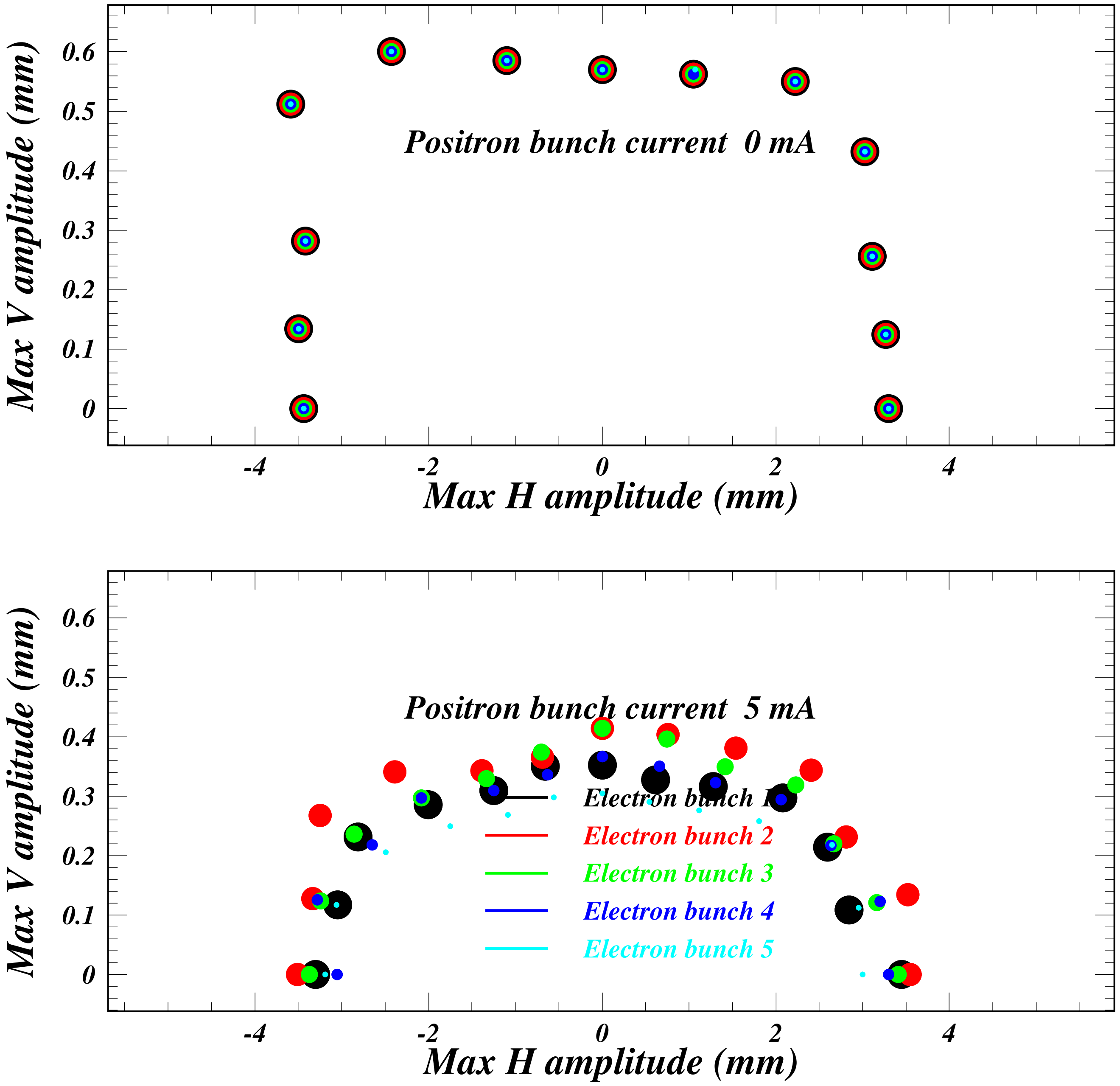
Dynamic Aperture Calculations for Job 1287: Train 3 Energy offset 0.003



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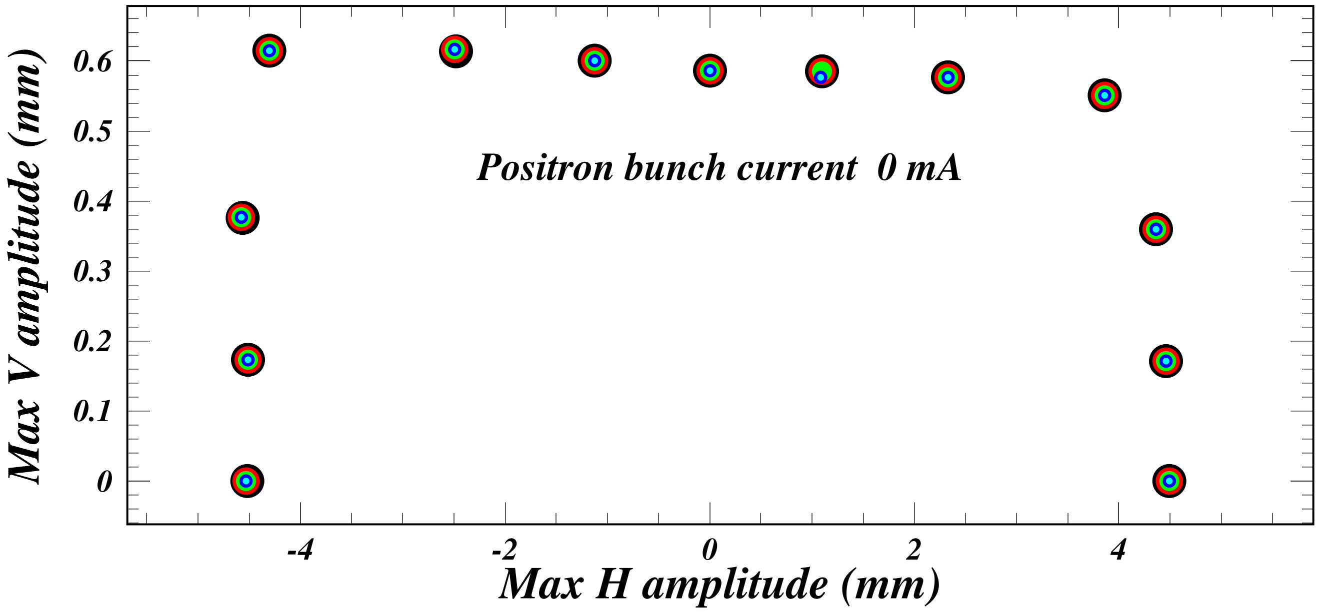
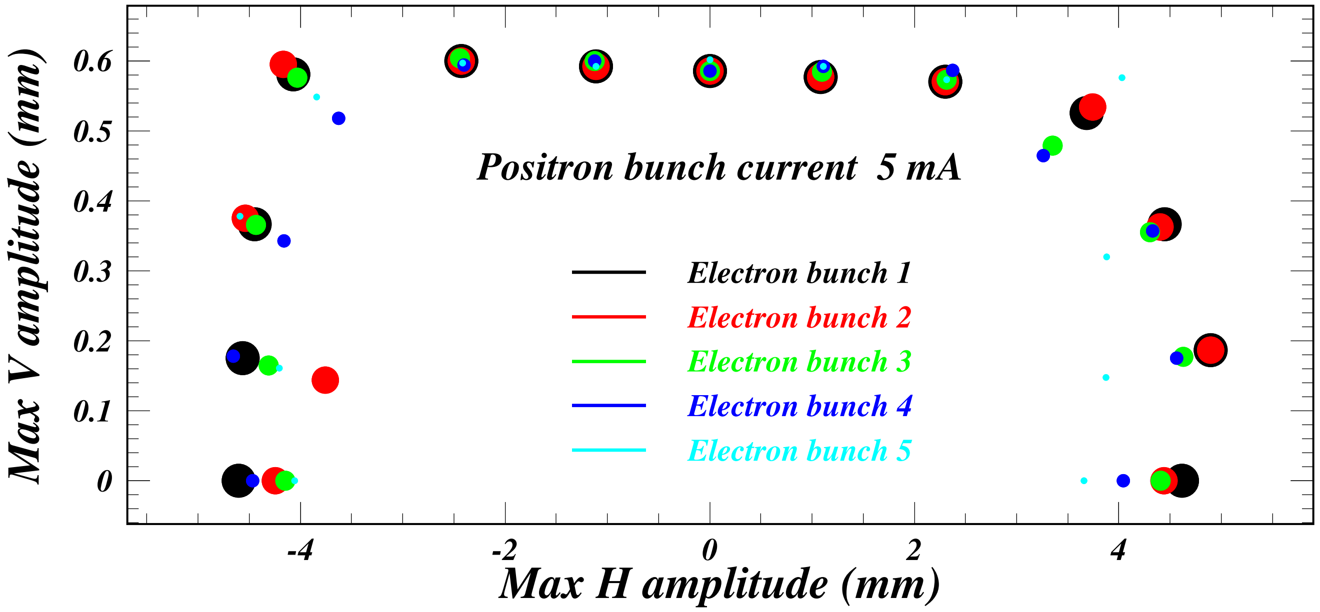
Dynamic Aperture Calculations for Job 1287: Train 4 Energy offset 0



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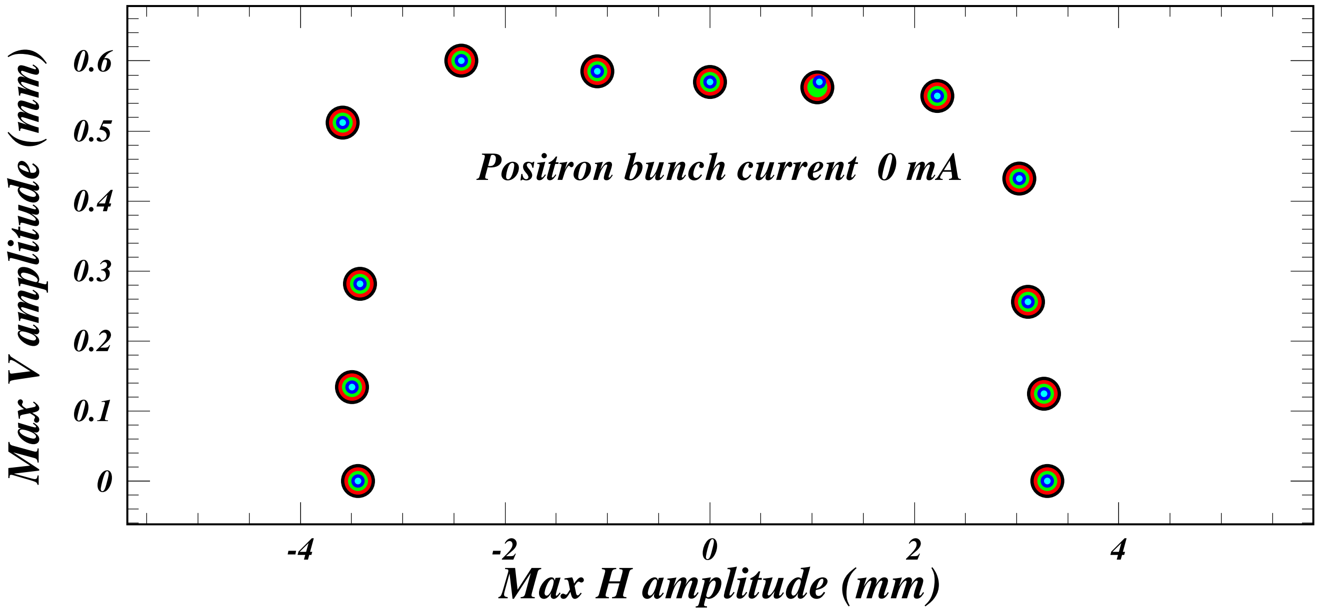
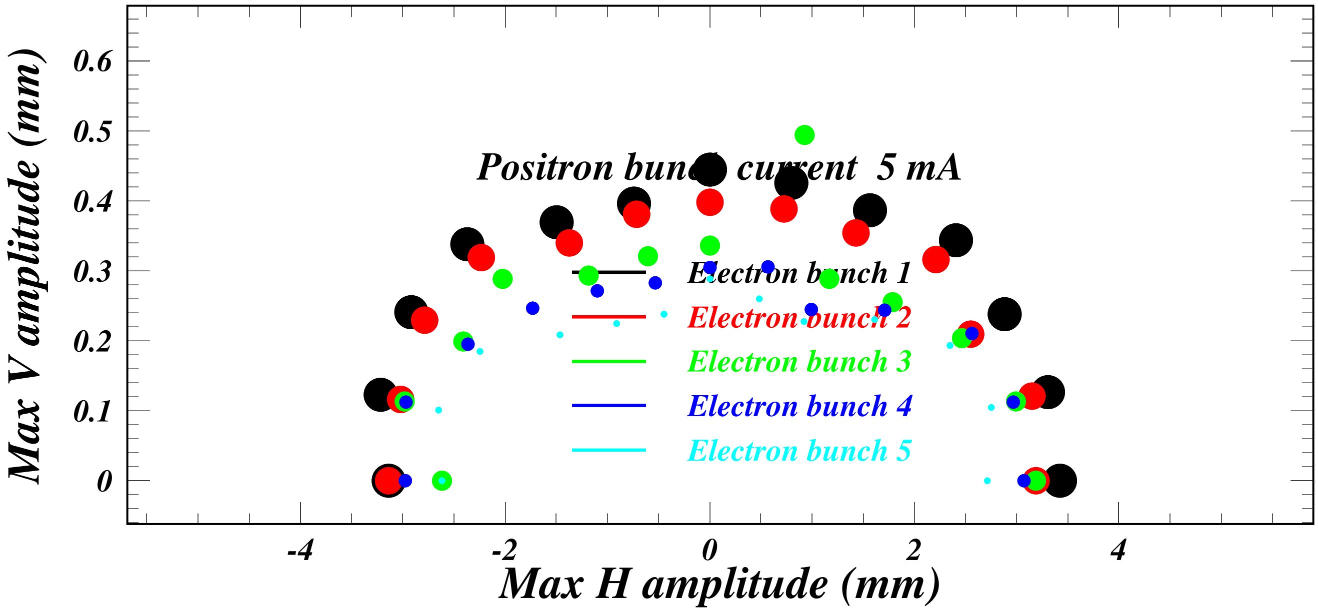
*Dynamic Aperture Calculations for Job 1287: Train 4 Energy offset 0.003*



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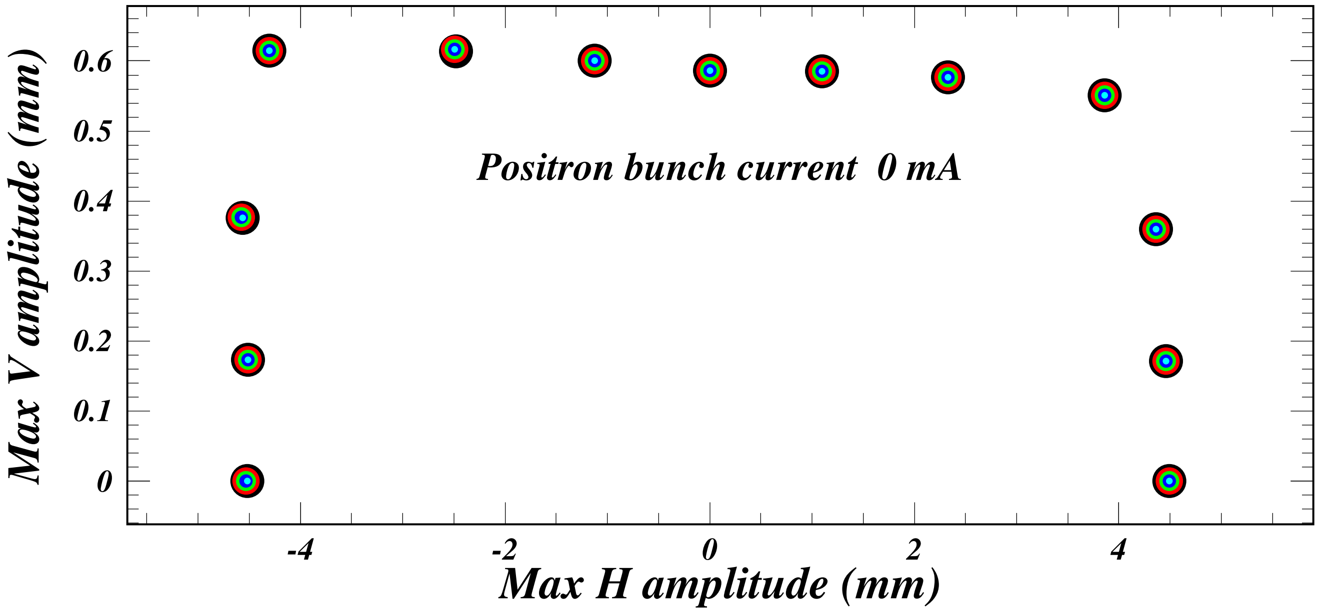
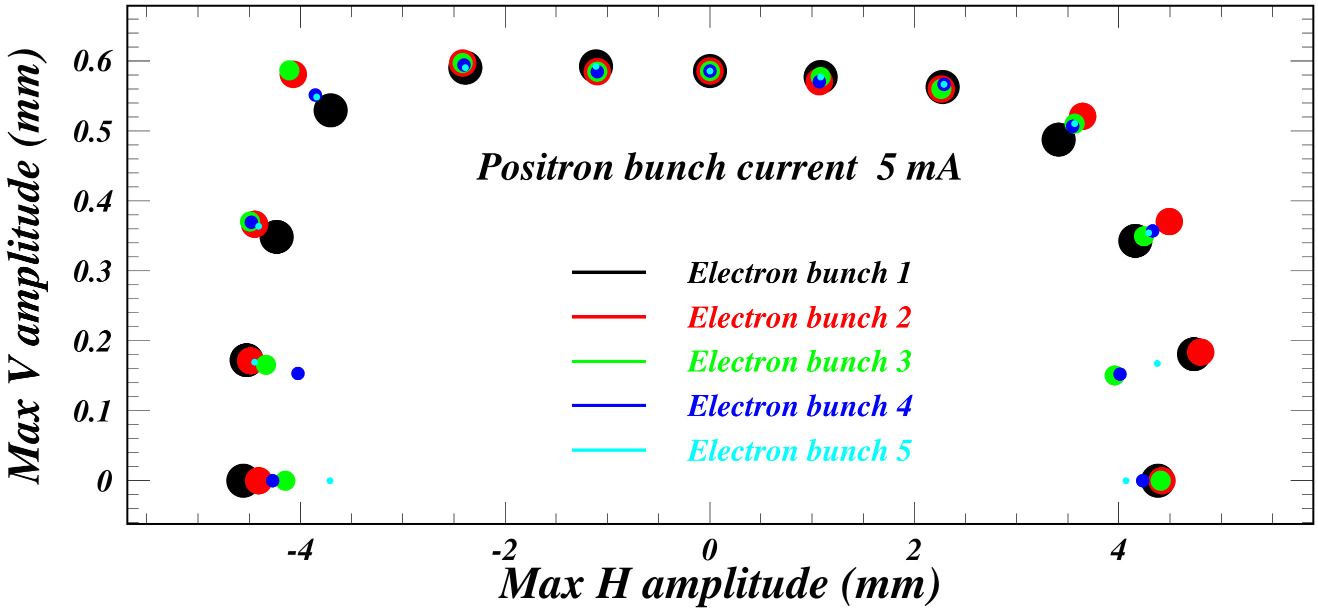
Dynamic Aperture Calculations for Job 1287: Train 5 Energy offset 0



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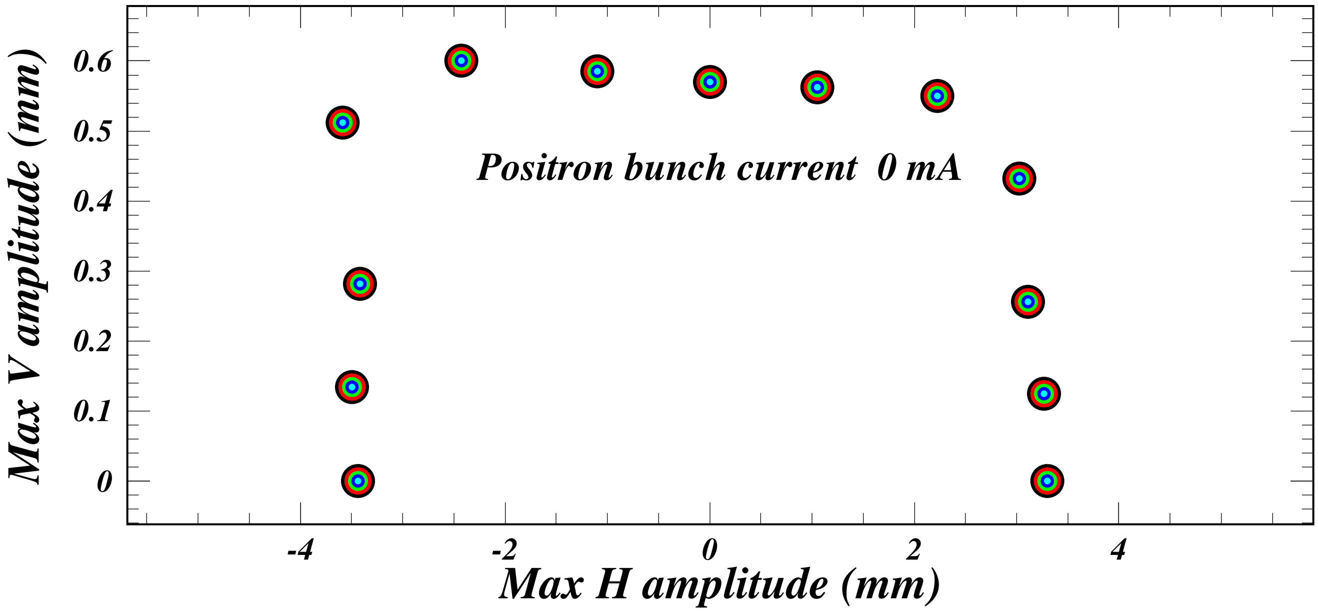
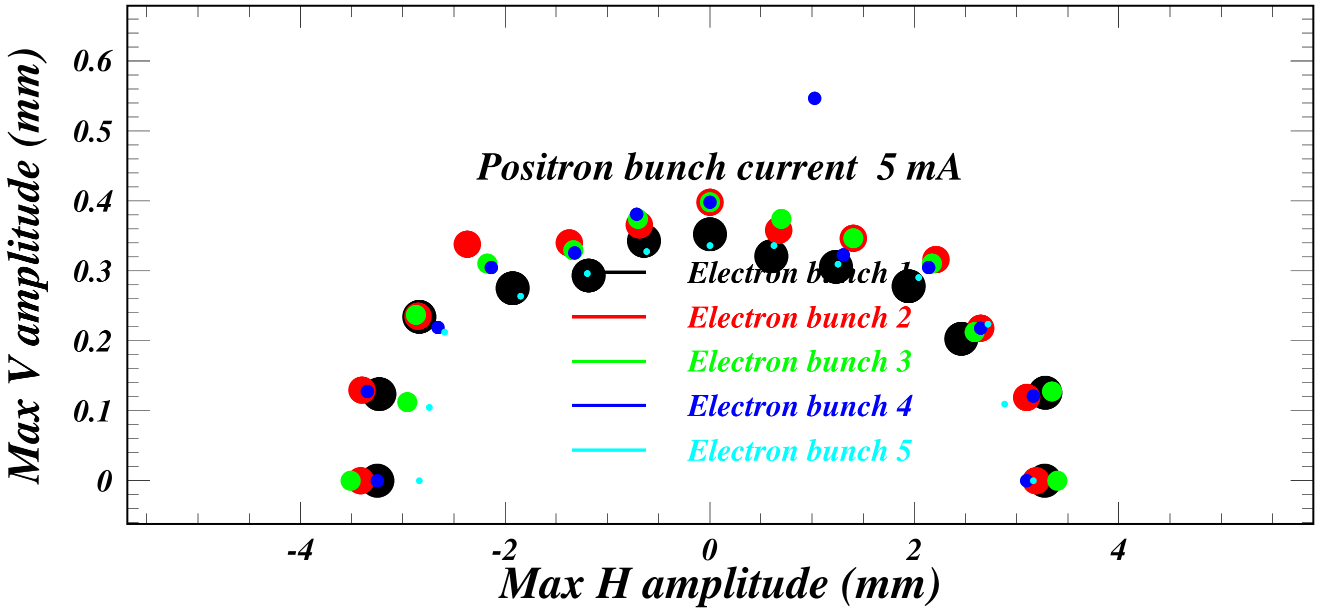
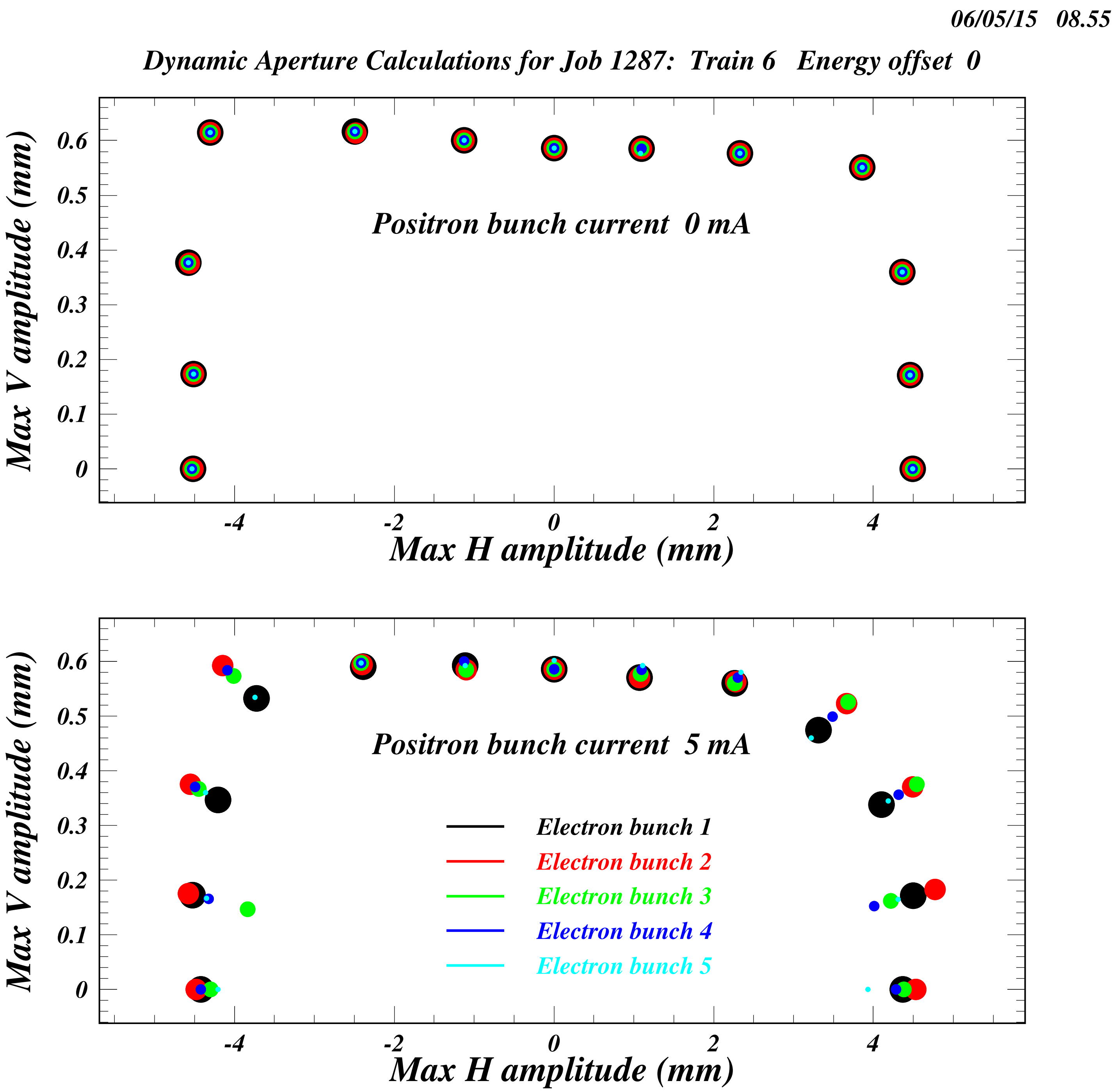
Dynamic Aperture Calculations for Job 1287: Train 5 Energy offset 0.003

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Dynamic Aperture Calculations for Job 1287: Train 6 Energy offset 0
Positron bunch current 0 mA
Max V amplitude (mm)
Max H amplitude (mm)
0.6
0.5
0.4
0.3
0.2
0.1
0
-4
-2
0
2
4
Positron bunch current 5 mA
Electron bunch 1
Electron bunch 2
Electron bunch 3
Electron bunch 4
Electron bunch 5
Max V amplitude (mm)
Max H amplitude (mm)

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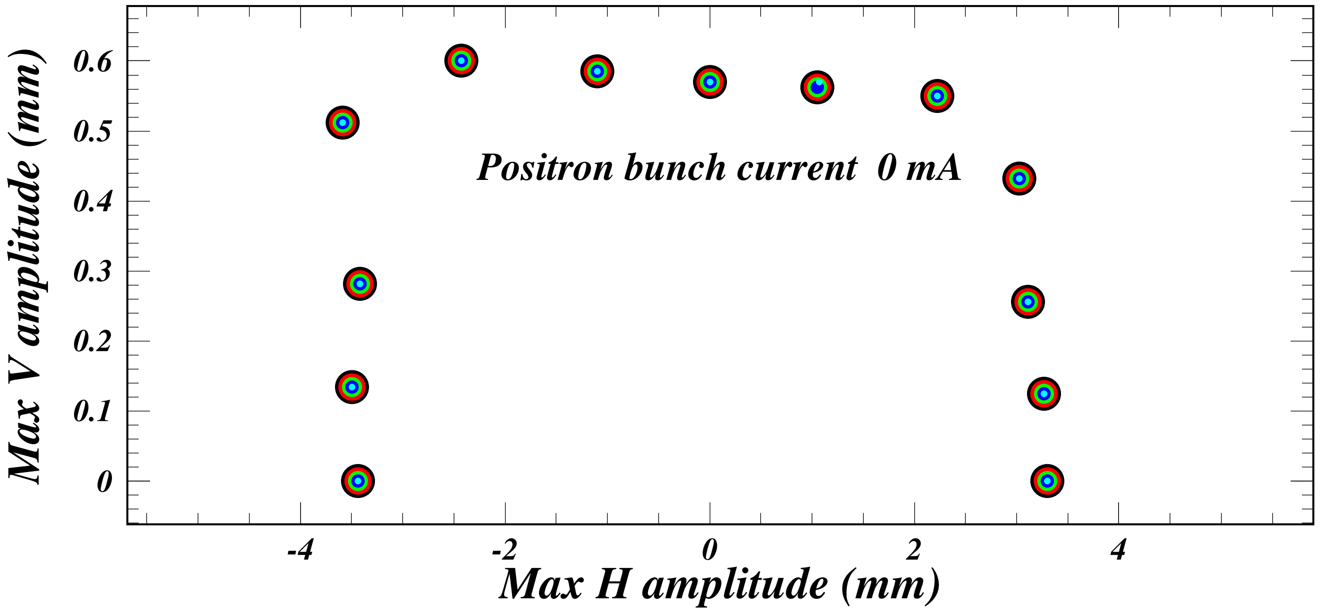
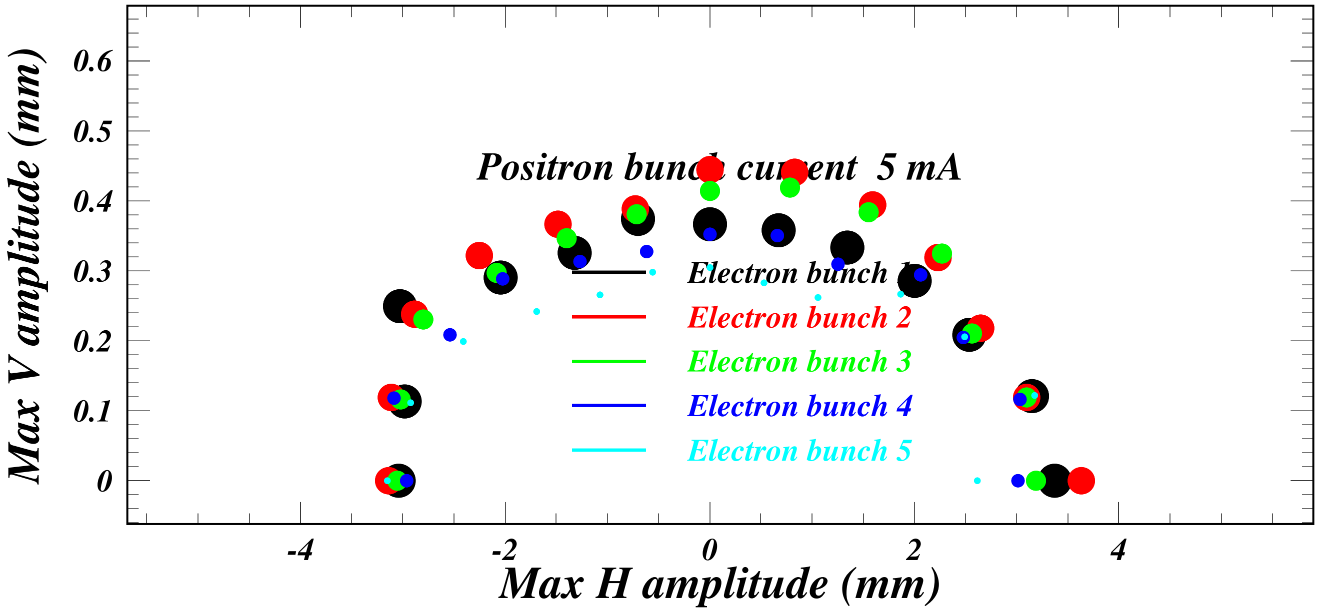
Dynamic Aperture Calculations for Job 1287: Train 6 Energy offset 0.003



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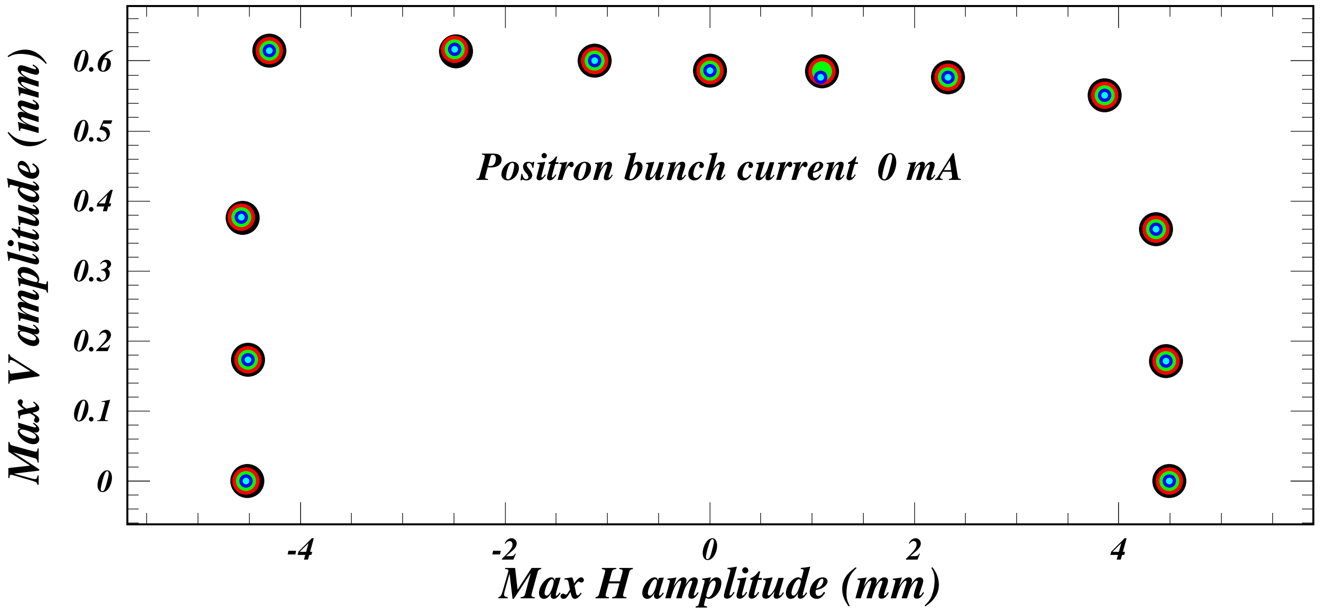
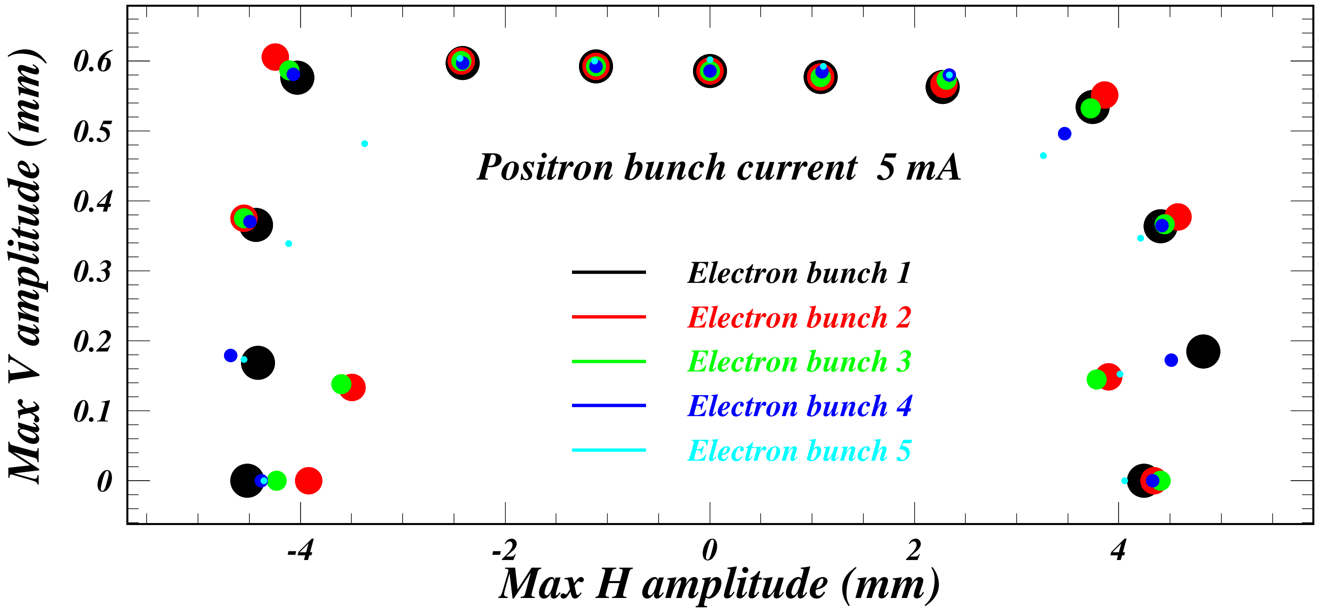
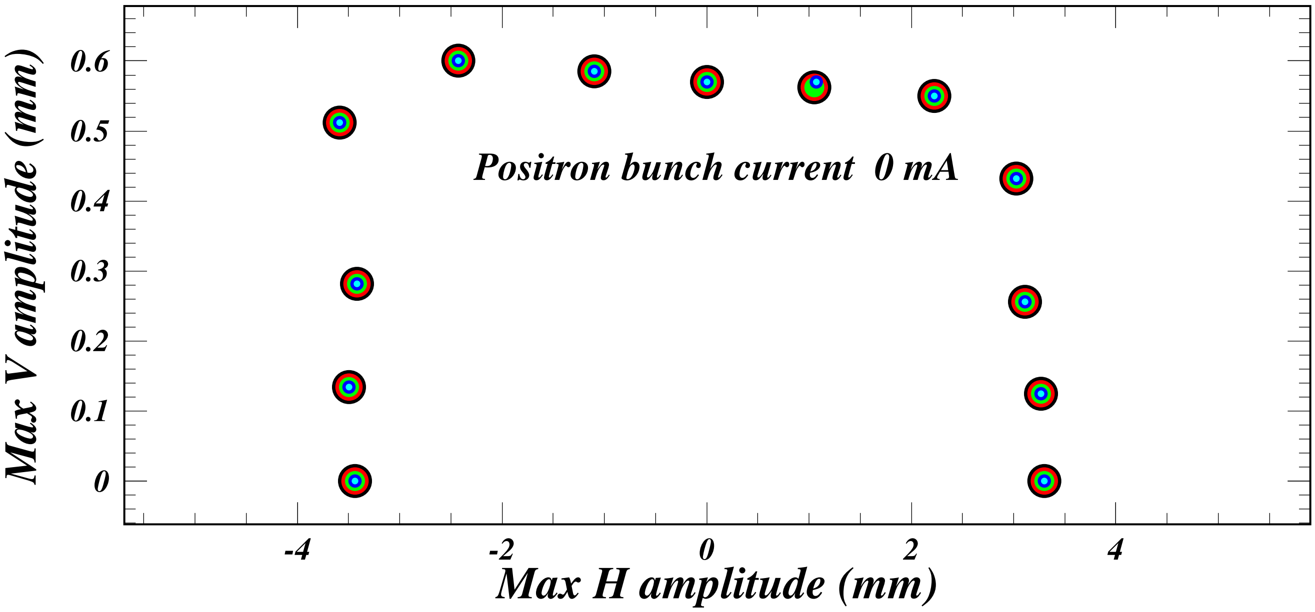
Dynamic Aperture Calculations for Job 1287: Train 7 Energy offset 0

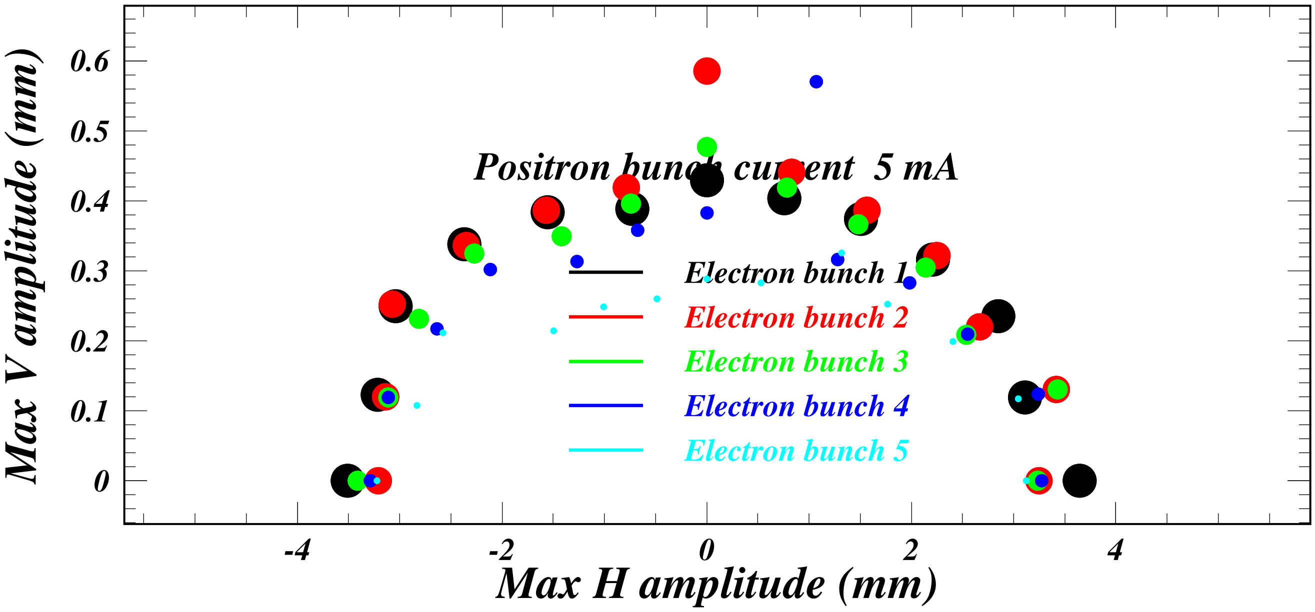


06/05/15 08.55

Dynamic Aperture Calculations for Job 1287: Train 7 Energy offset 0.003



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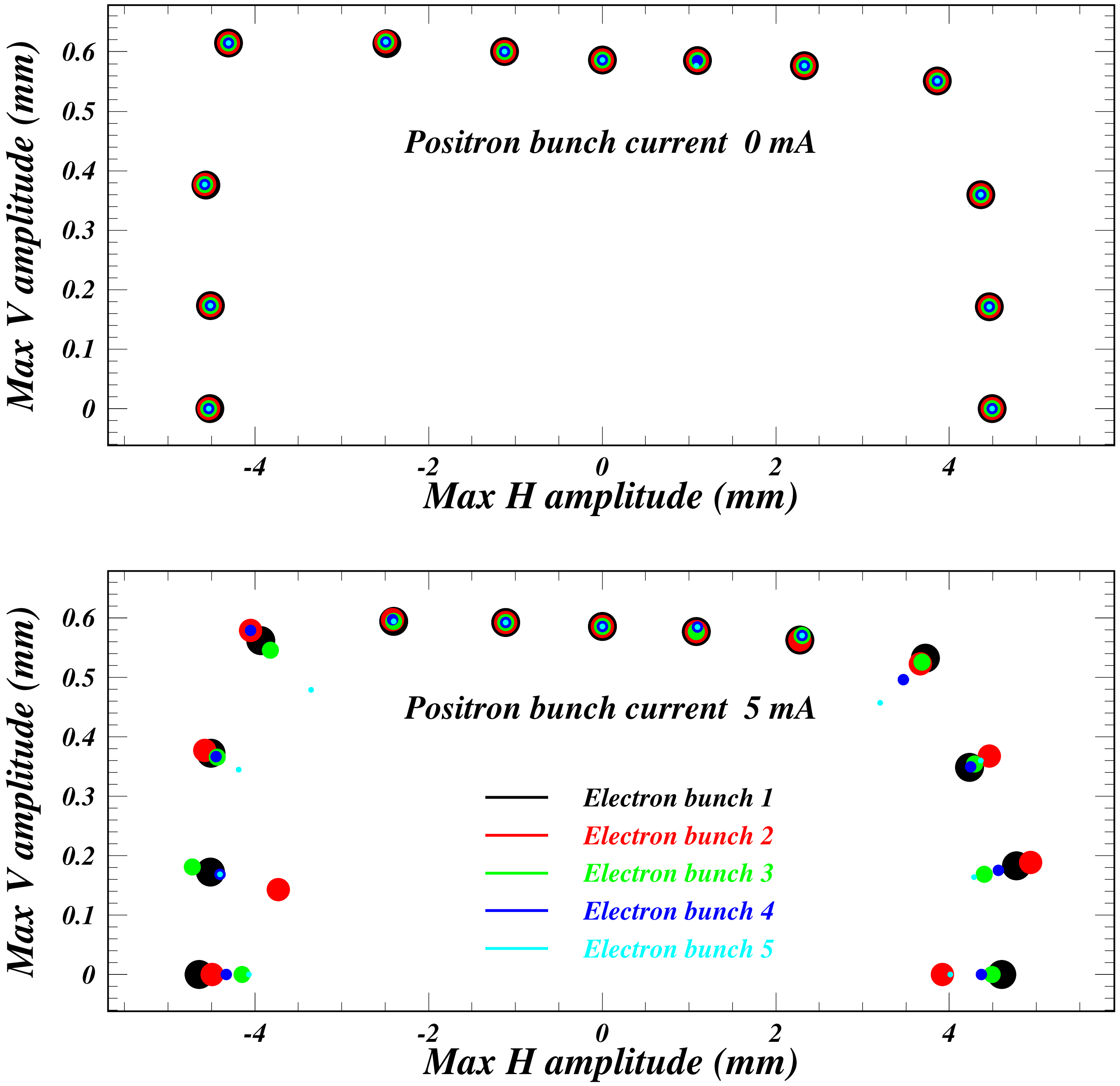
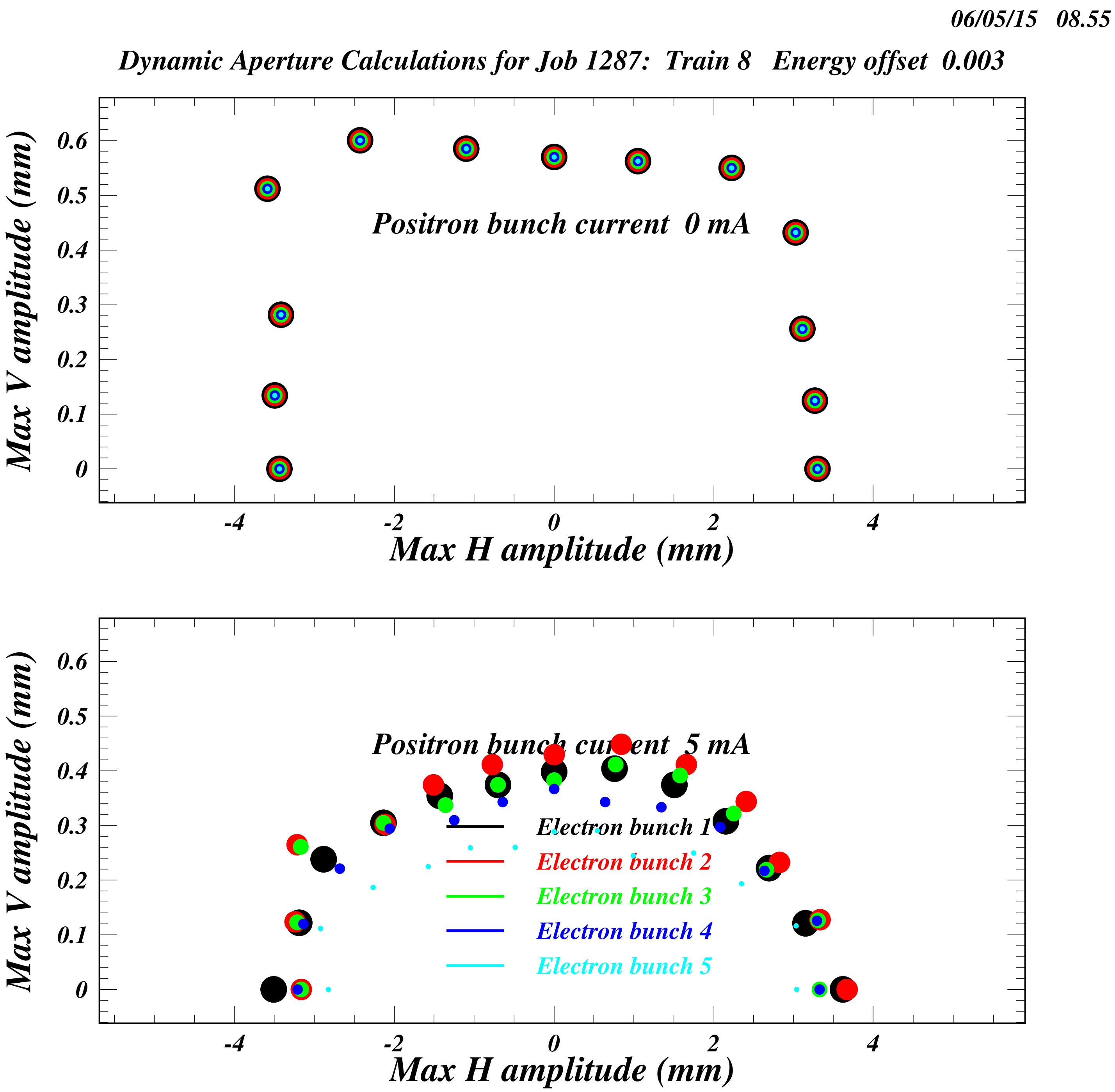
Dynamic Aperture Calculations for Job 1287: Train 8 Energy offset 0





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Dynamic Aperture Calculations for Job 1287: Train 8 Energy offset 0.003
Positron bunch current 0 mA
Max V amplitude (mm)
Max H amplitude (mm)
Positron bunch current 5 mA
Electron bunch 1
Electron bunch 2
Electron bunch 3
Electron bunch 4
Electron bunch 5
Max V amplitude (mm)
Max H amplitude (mm)

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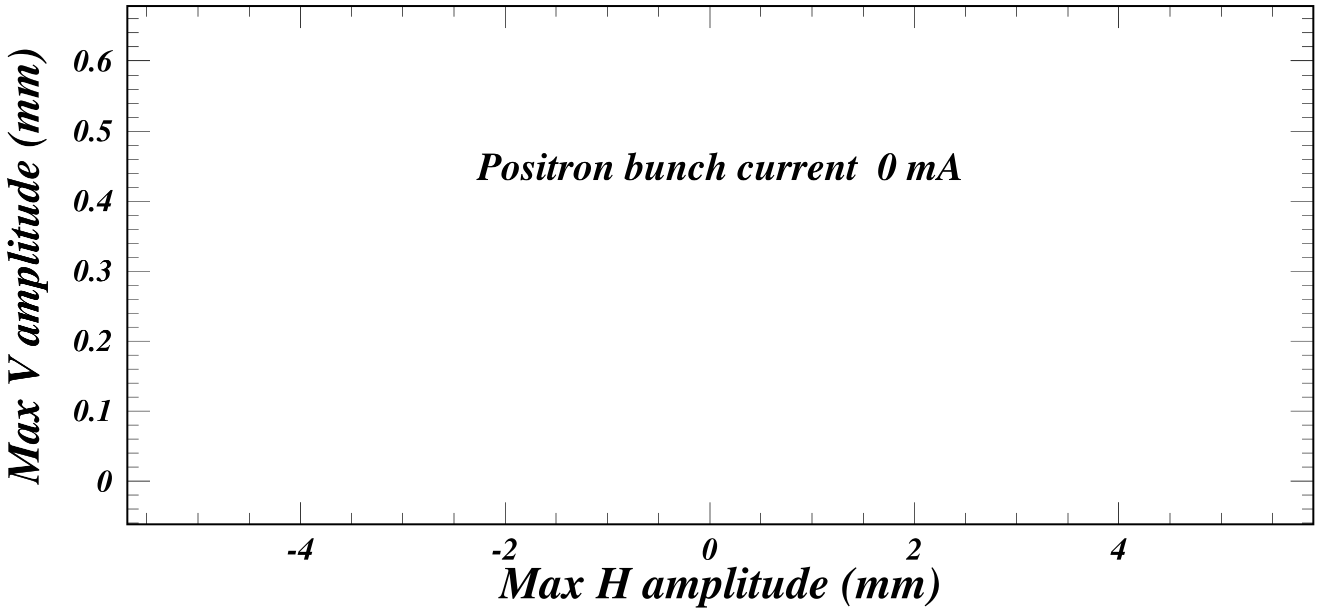
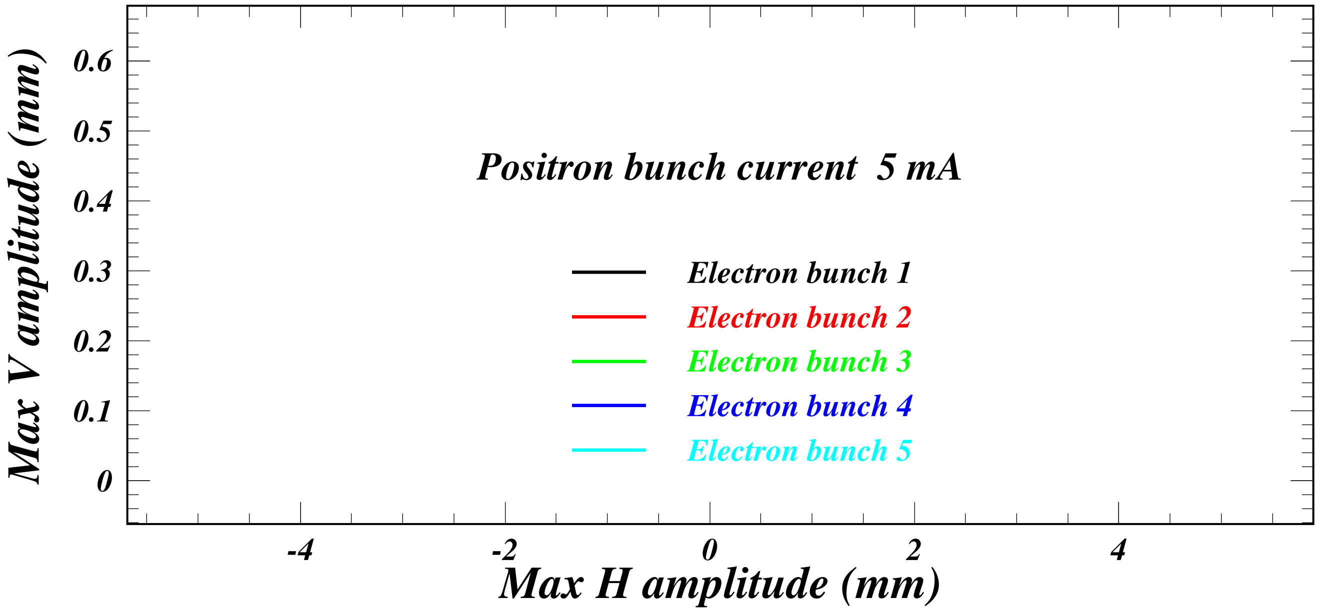
Dynamic Aperture Calculations for Job 1287: Train 9 Energy offset 0



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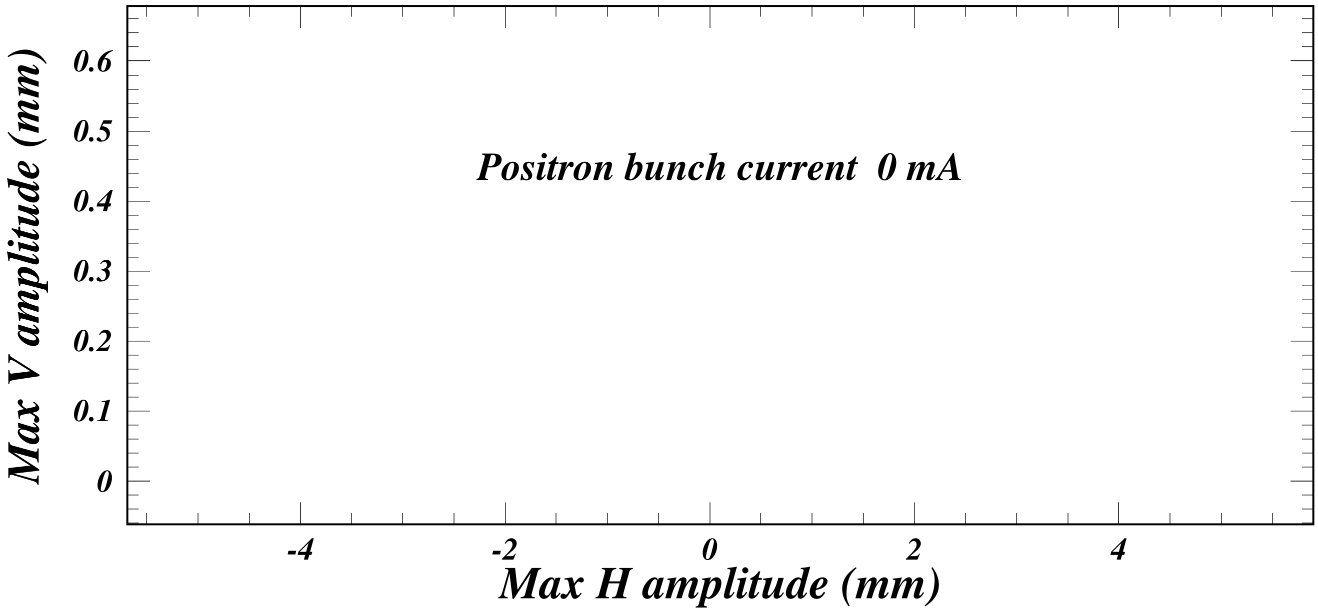
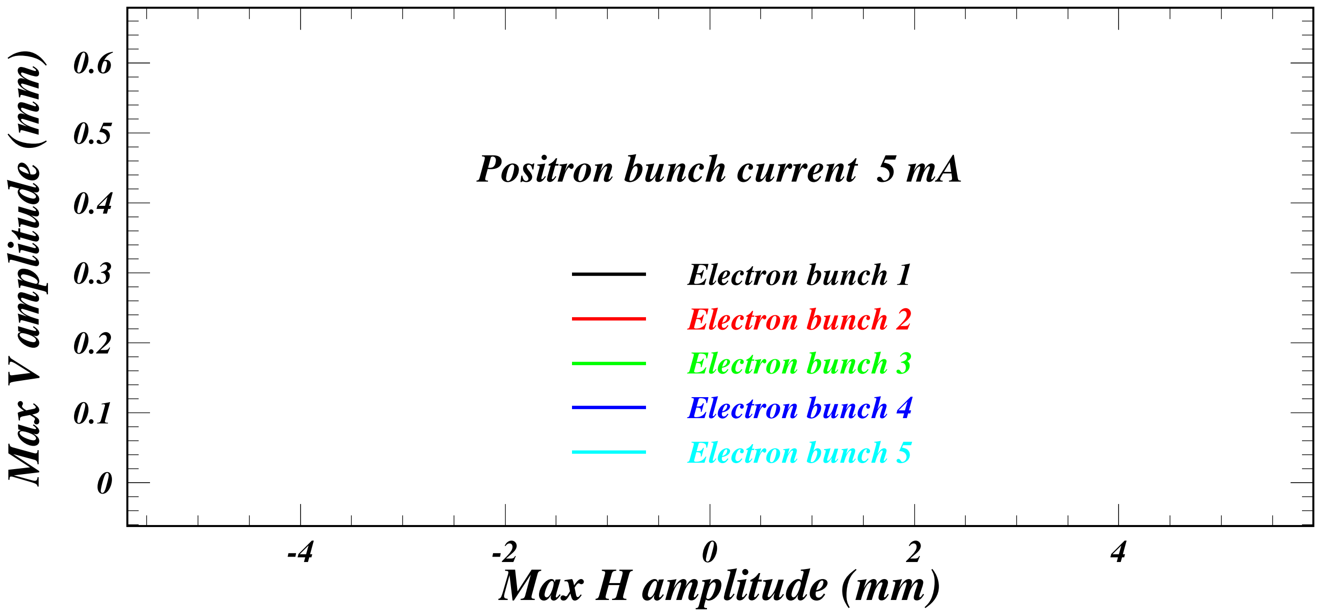
*Dynamic Aperture Calculations for Job 1287:  Train 9   Energy offset  0.003*



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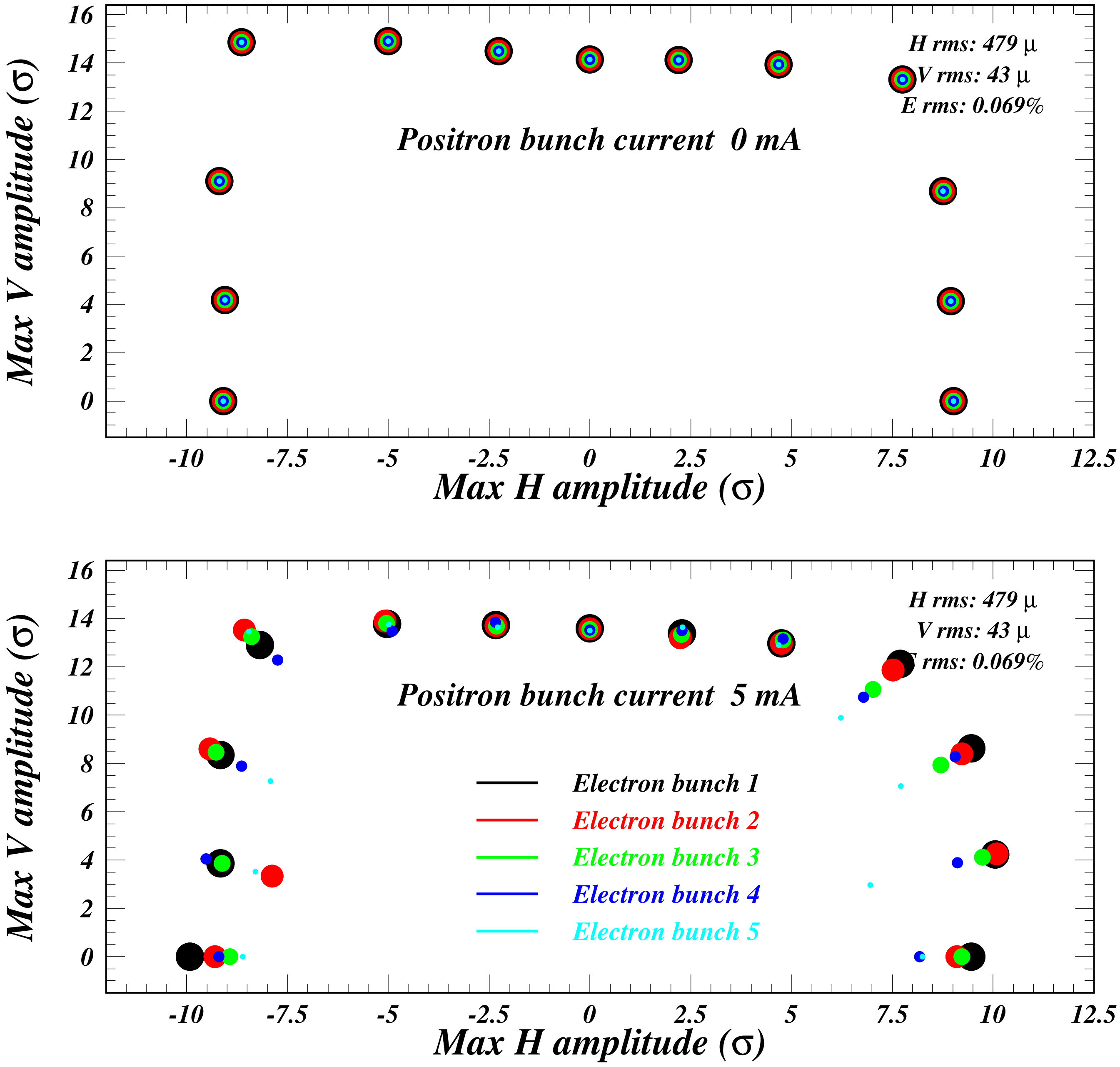
Dynamic Aperture Calculations for Job 1287: Train 1 Energy offset 0 σ



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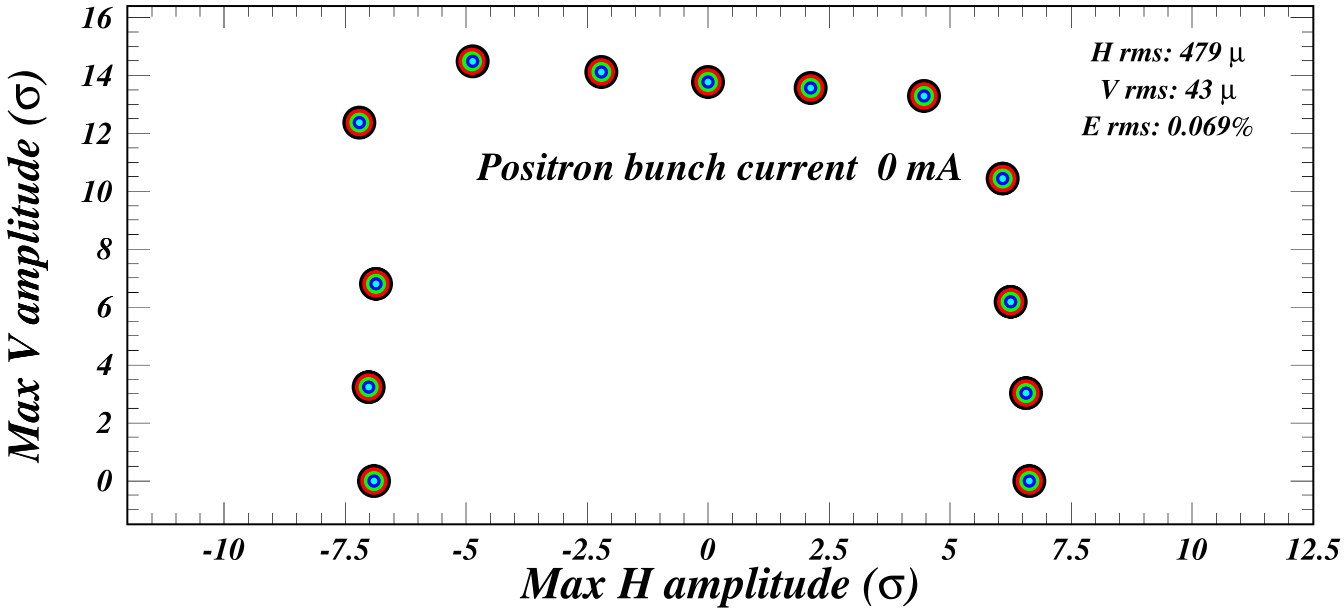
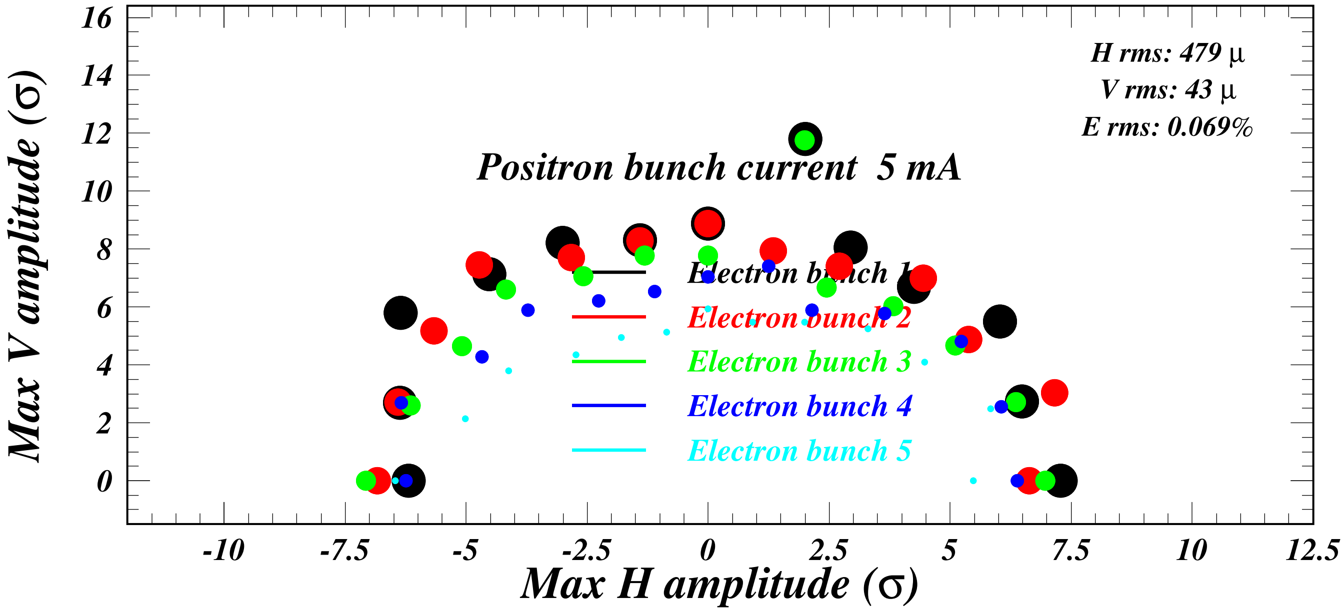
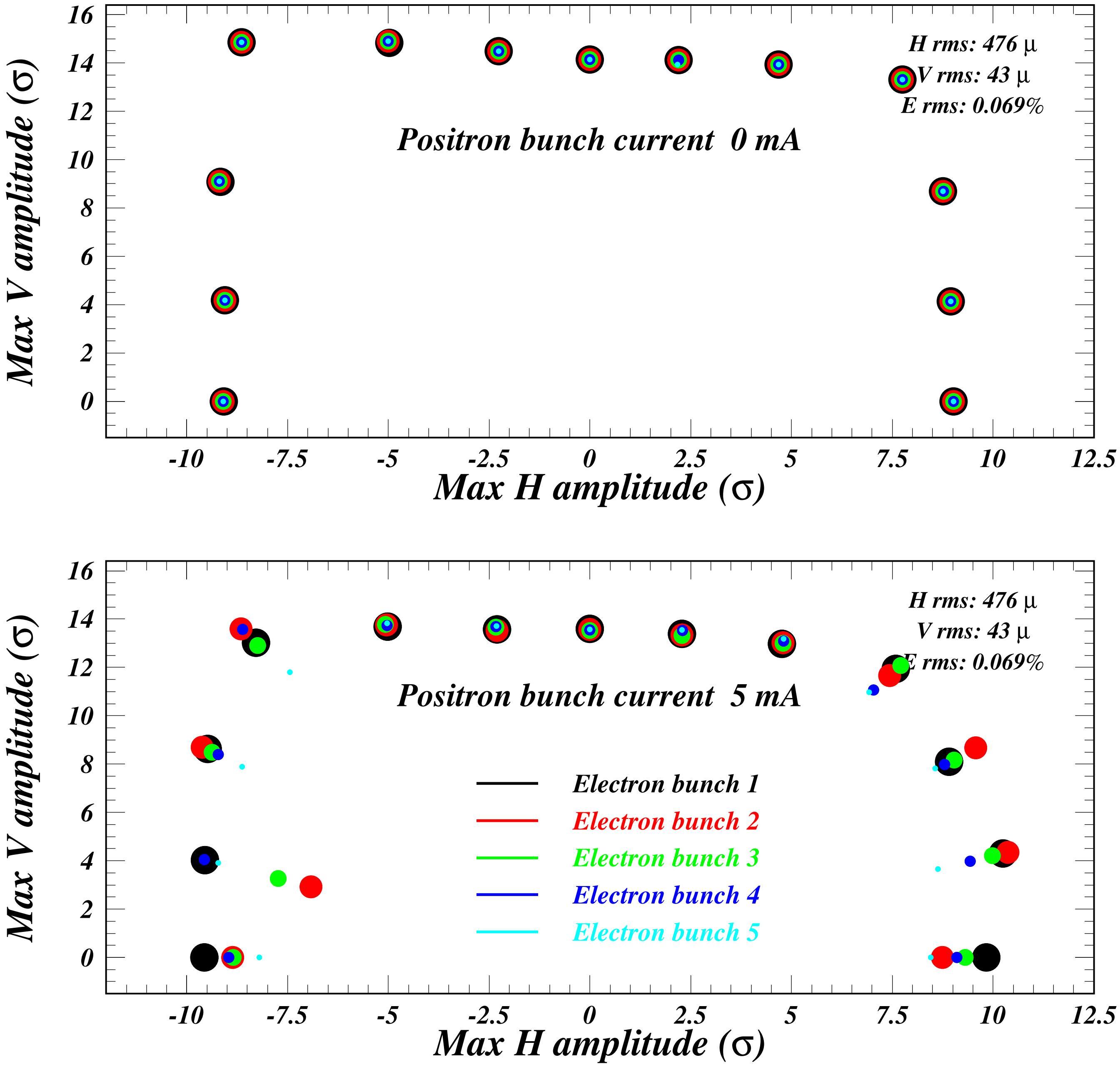
Dynamic Aperture Calculations for Job 1287: Train 1 Energy offset 4.3 σ



06/05/15 08.55

Dynamic Aperture Calculations for Job 1287: Train 2 Energy offset 0 σ



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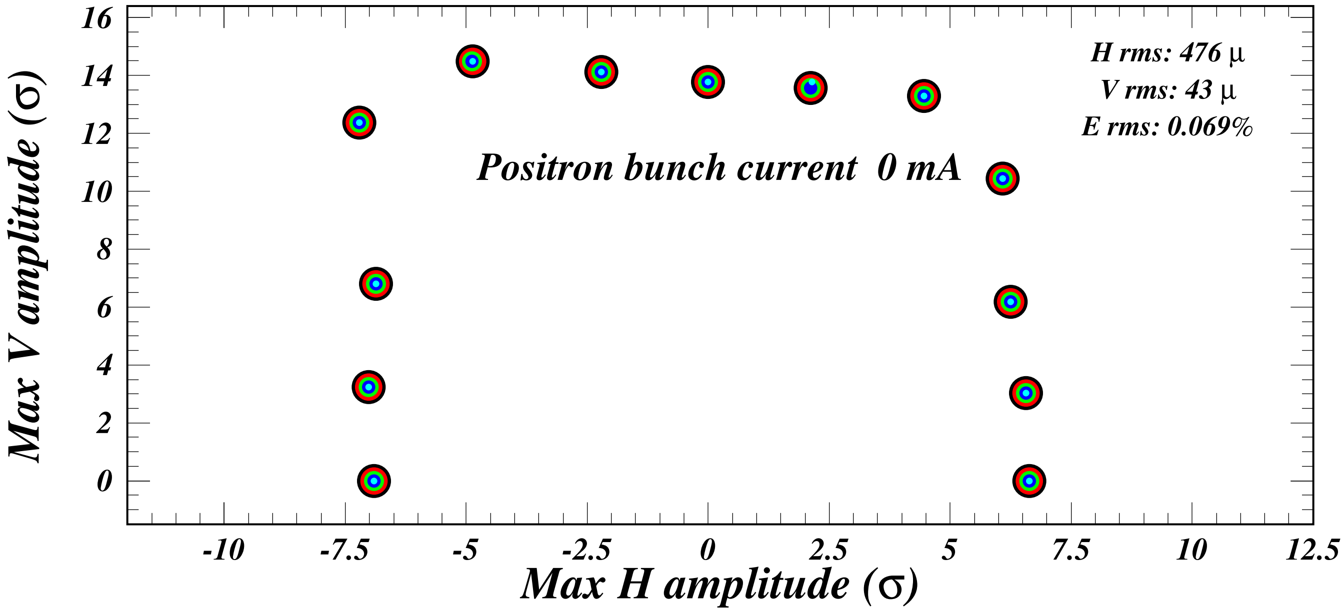
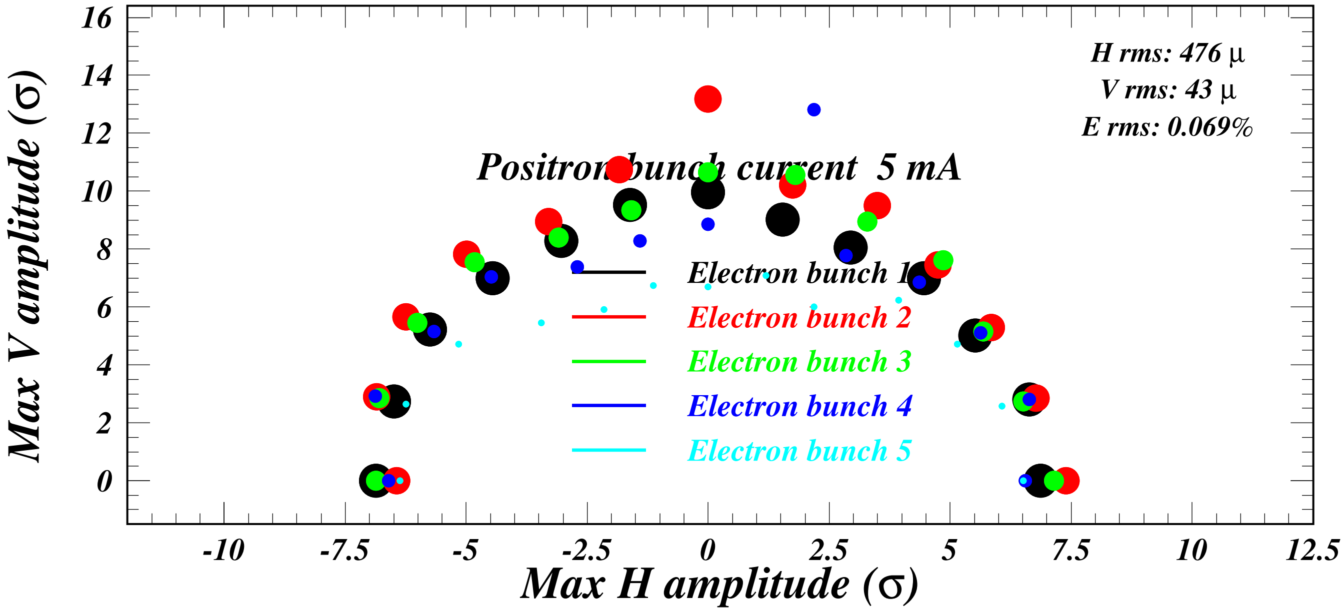
Dynamic Aperture Calculations for Job 1287: Train 2 Energy offset 4.3 σ



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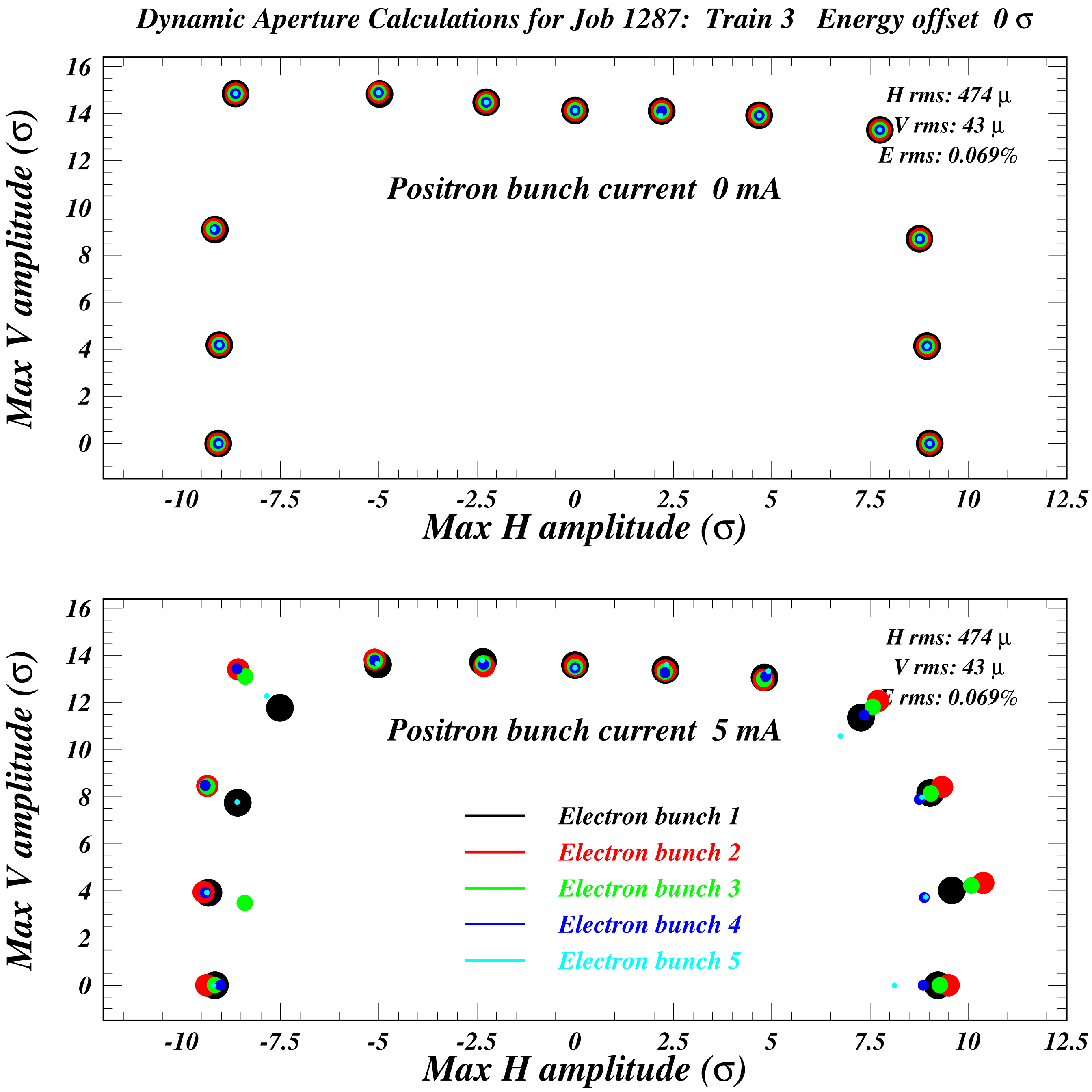
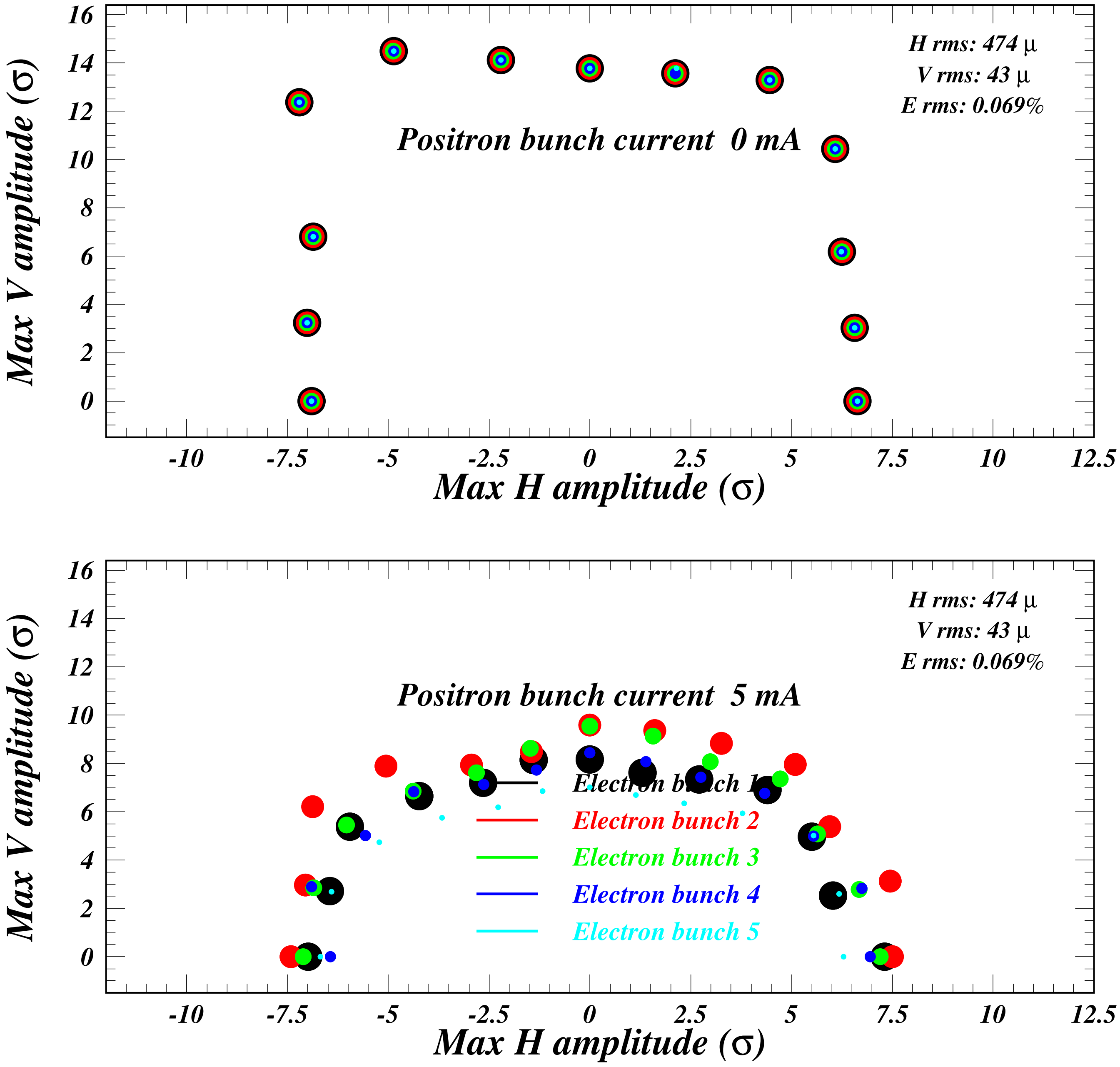

Dynamic Aperture Calculations for Job 1287: Train 3 Energy offset 0 σ
H rms: 474 μ
V rms: 43 μ
E rms: 0.069%
Positron bunch current 0 mA
Max V amplitude (σ)
Max H amplitude (σ)
16
14
12
10
8
6
4
2
0
-10
-7.5
-5
-2.5
0
2.5
5
7.5
10
12.5
H rms: 474 μ
V rms: 43 μ
E rms: 0.069%
Positron bunch current 5 mA
Electron bunch 1
Electron bunch 2
Electron bunch 3
Electron bunch 4
Electron bunch 5
Max V amplitude (σ)
Max H amplitude (σ)

*Dynamic Aperture Calculations for Job 1287: Train 3 Energy offset 4.3 σ*



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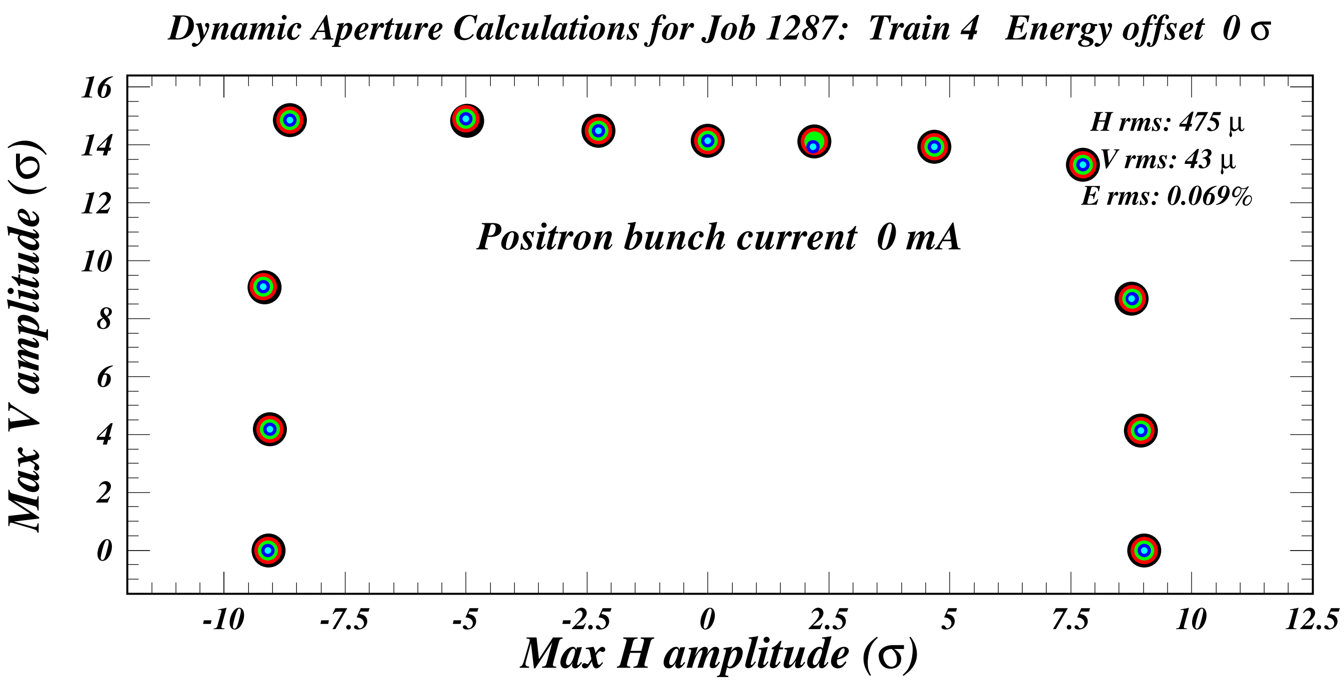
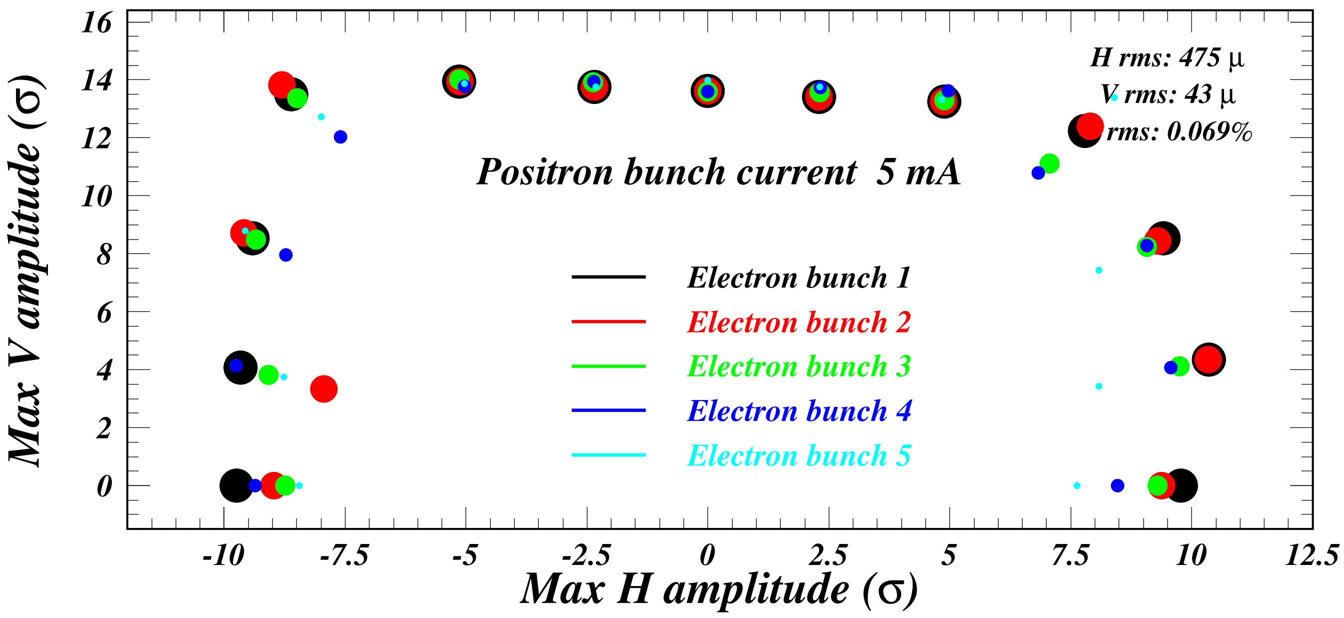


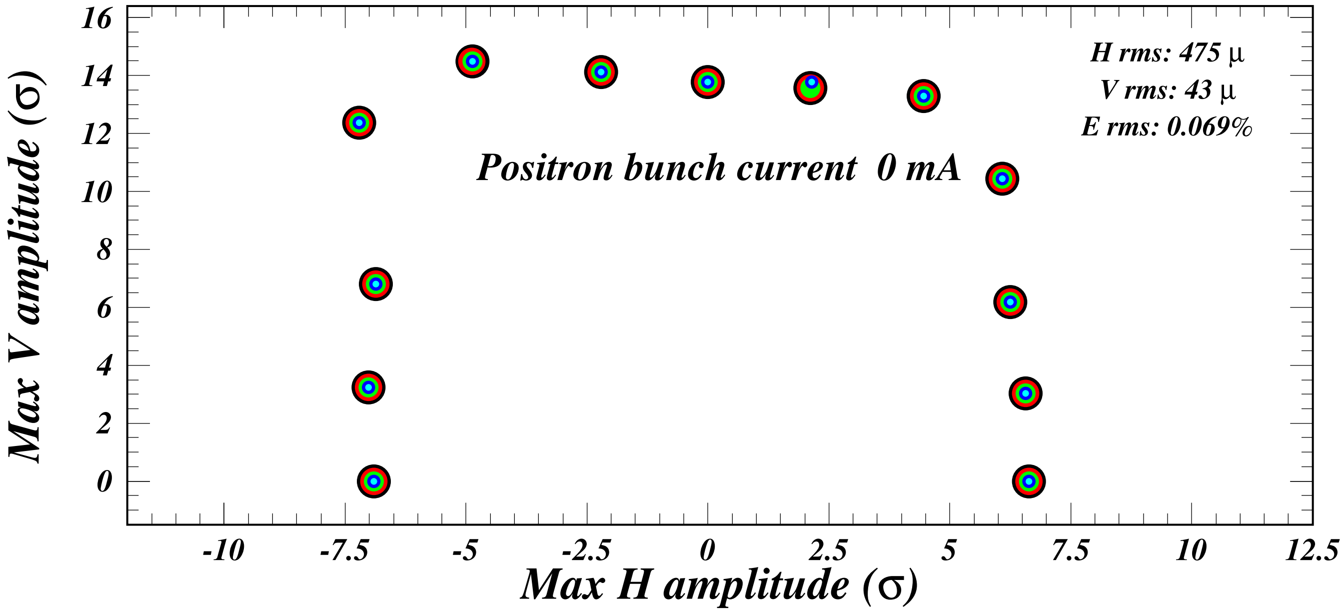
Dynamic Aperture Calculations for Job 1287: Train 4 Energy offset 0 σ
H rms: 475 μ
V rms: 43 μ
E rms: 0.069%
Positron bunch current 0 mA
Max V amplitude (σ)
Max H amplitude (σ)

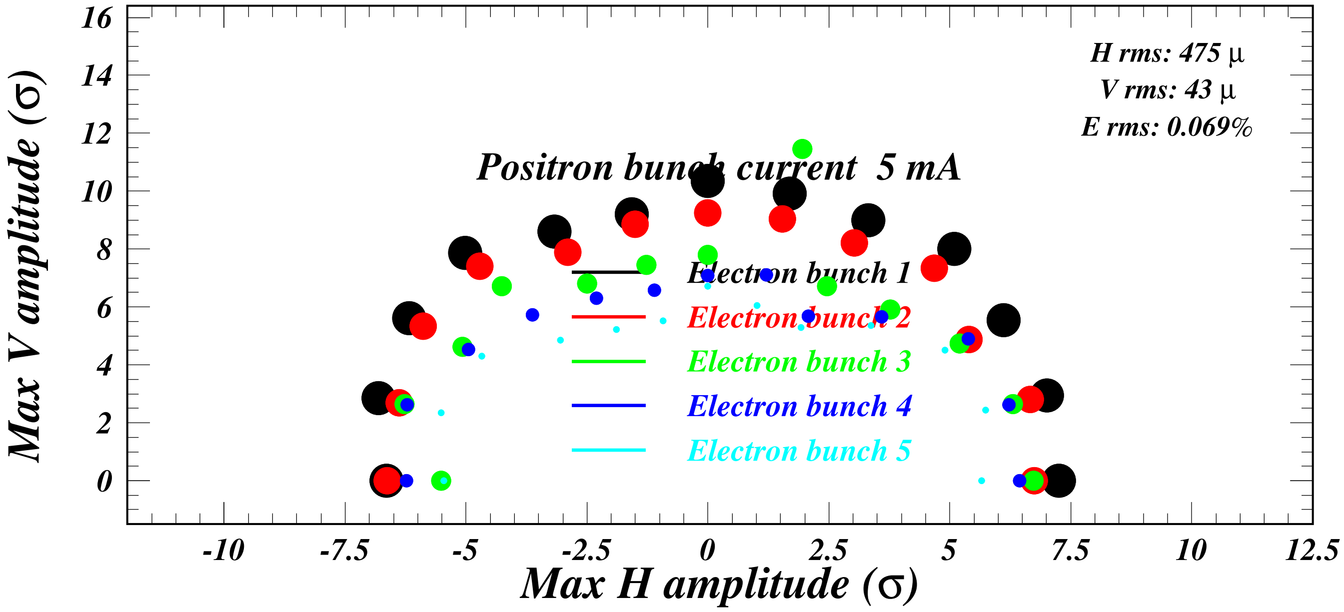



H rms: 475 μ
V rms: 43 μ
E rms: 0.069%
Positron bunch current 5 mA
Electron bunch 1
Electron bunch 2
Electron bunch 3
Electron bunch 4
Electron bunch 5
Max V amplitude (σ)
Max H amplitude (σ)

06/05/15 08.55

Dynamic Aperture Calculations for Job 1287: Train 4 Energy offset 4.3 σ



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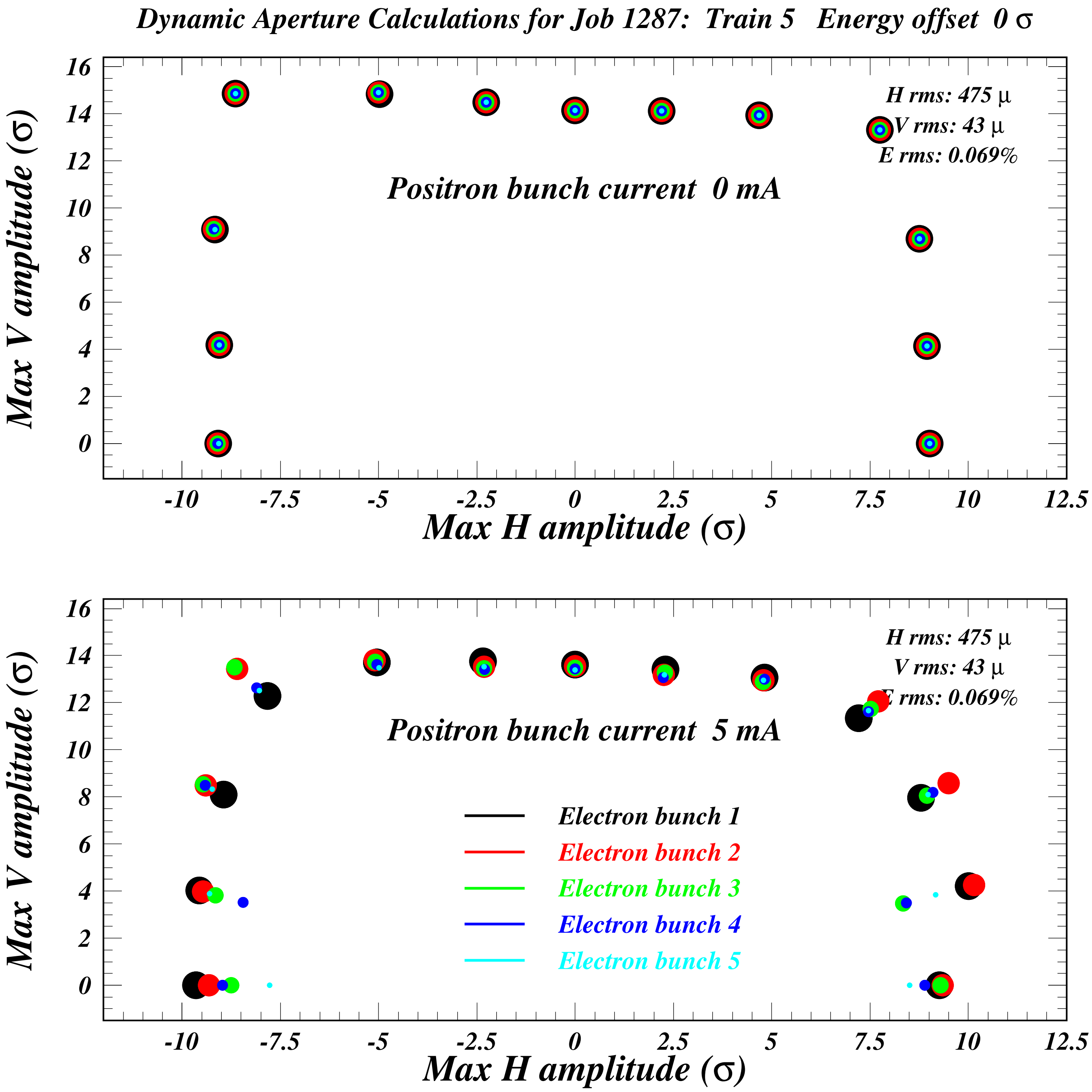

Dynamic Aperture Calculations for Job 1287: Train 5 Energy offset 0 σ
H rms: 475 μ
V rms: 43 μ
E rms: 0.069%
Positron bunch current 0 mA
Max V amplitude (σ)
Max H amplitude (σ)
16
14
12
10
8
6
4
2
0
-10
-7.5
-5
-2.5
0
2.5
5
7.5
10
12.5
H rms: 475 μ
V rms: 43 μ
E rms: 0.069%
Positron bunch current 5 mA
Electron bunch 1
Electron bunch 2
Electron bunch 3
Electron bunch 4
Electron bunch 5
Max V amplitude (σ)
Max H amplitude (σ)

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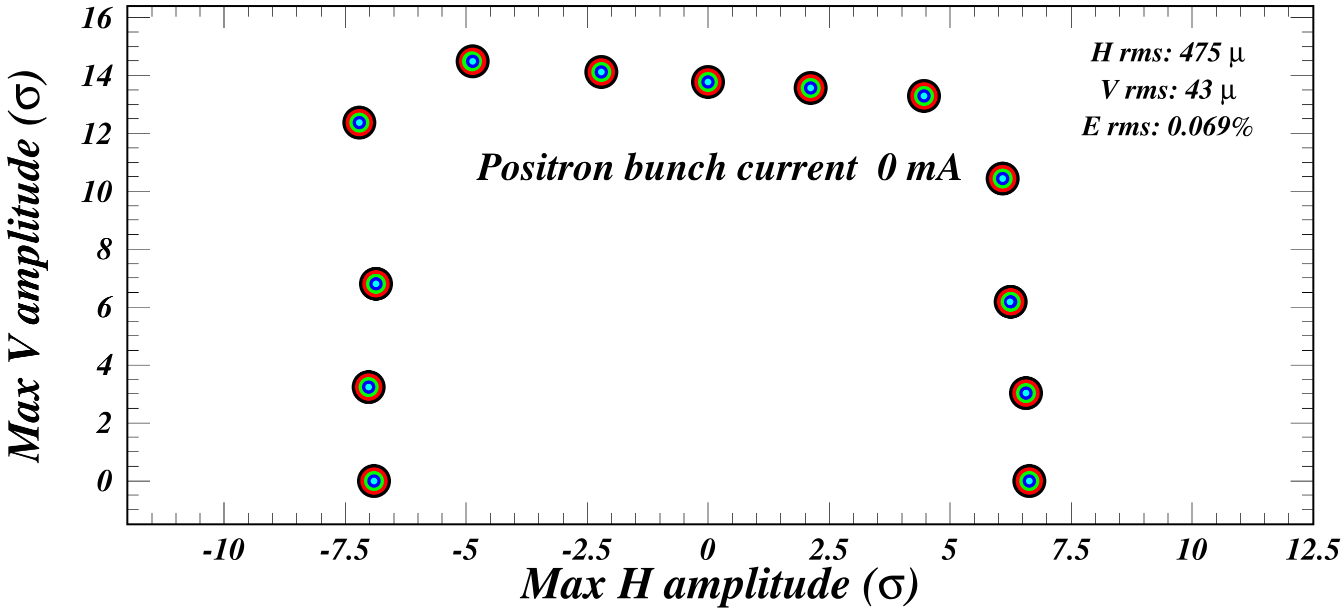
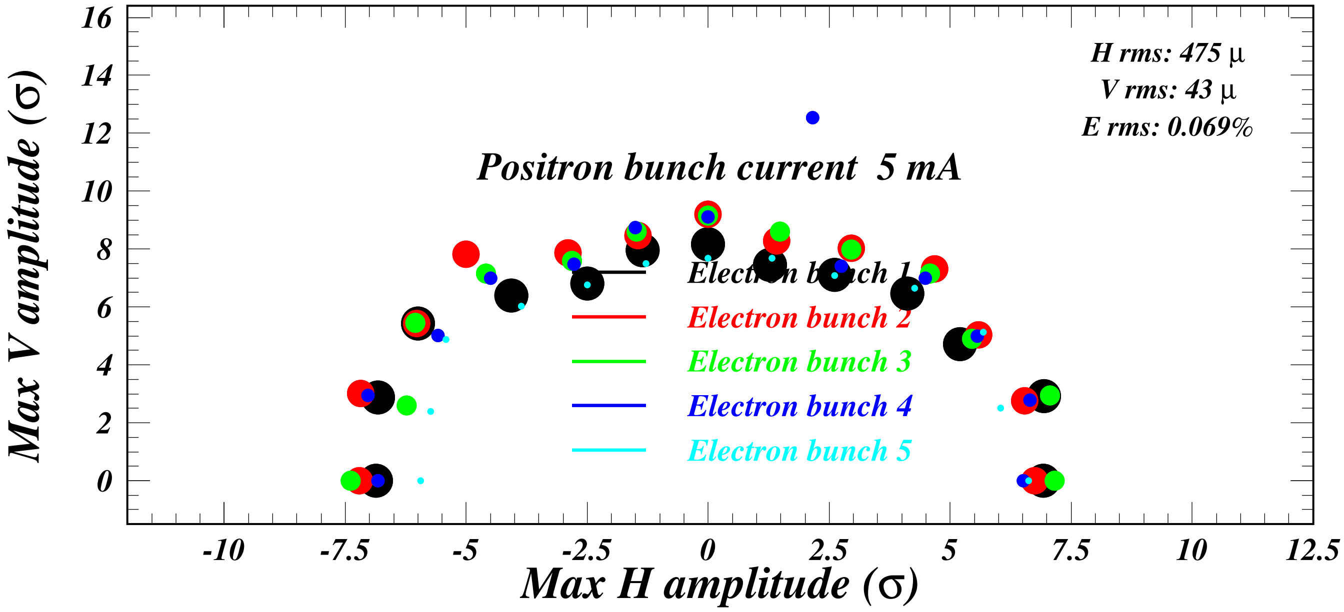
Dynamic Aperture Calculations for Job 1287: Train 5 Energy offset 4.3 σ



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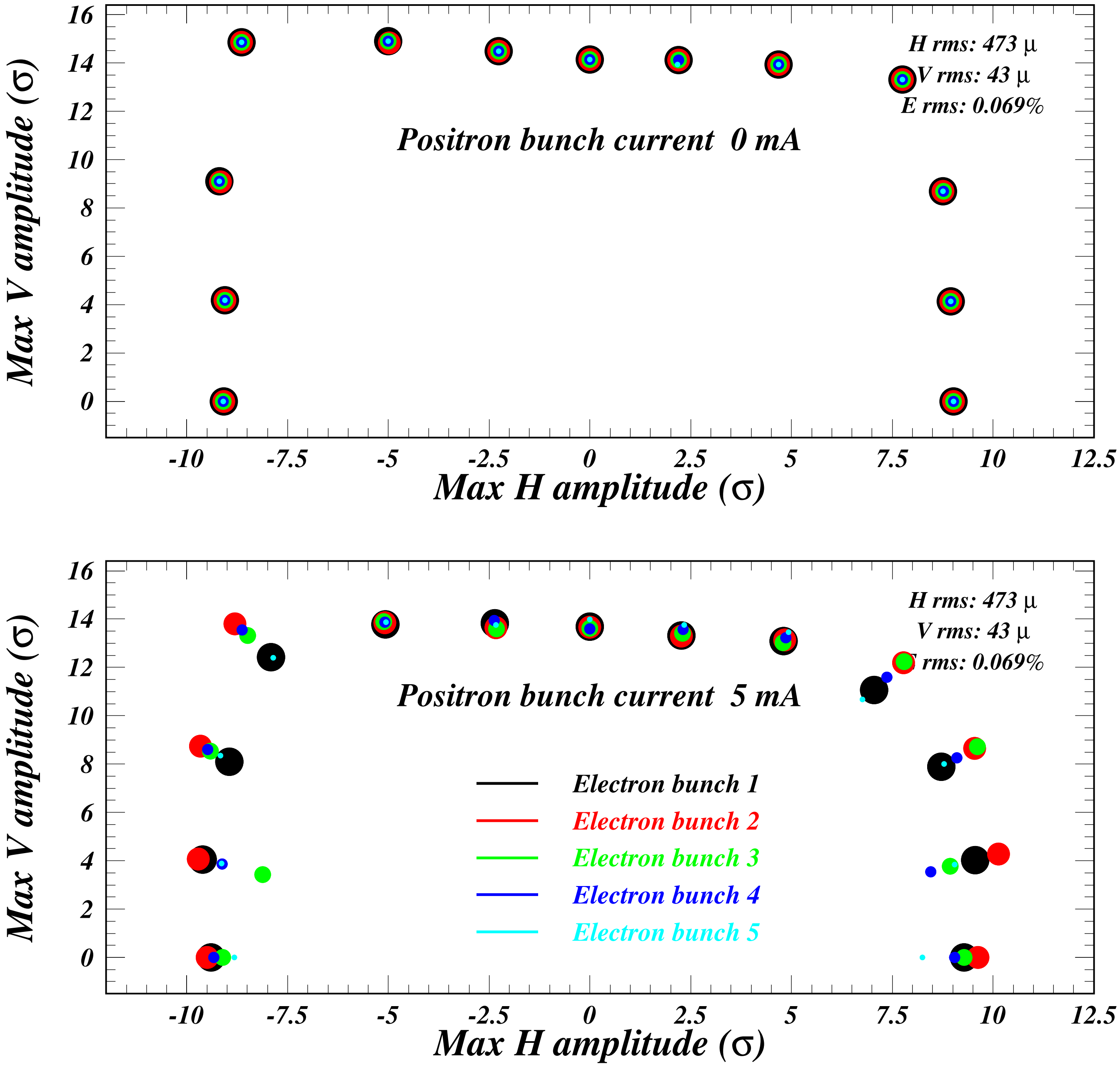
*Dynamic Aperture Calculations for Job 1287: Train 6 Energy offset 0 σ*



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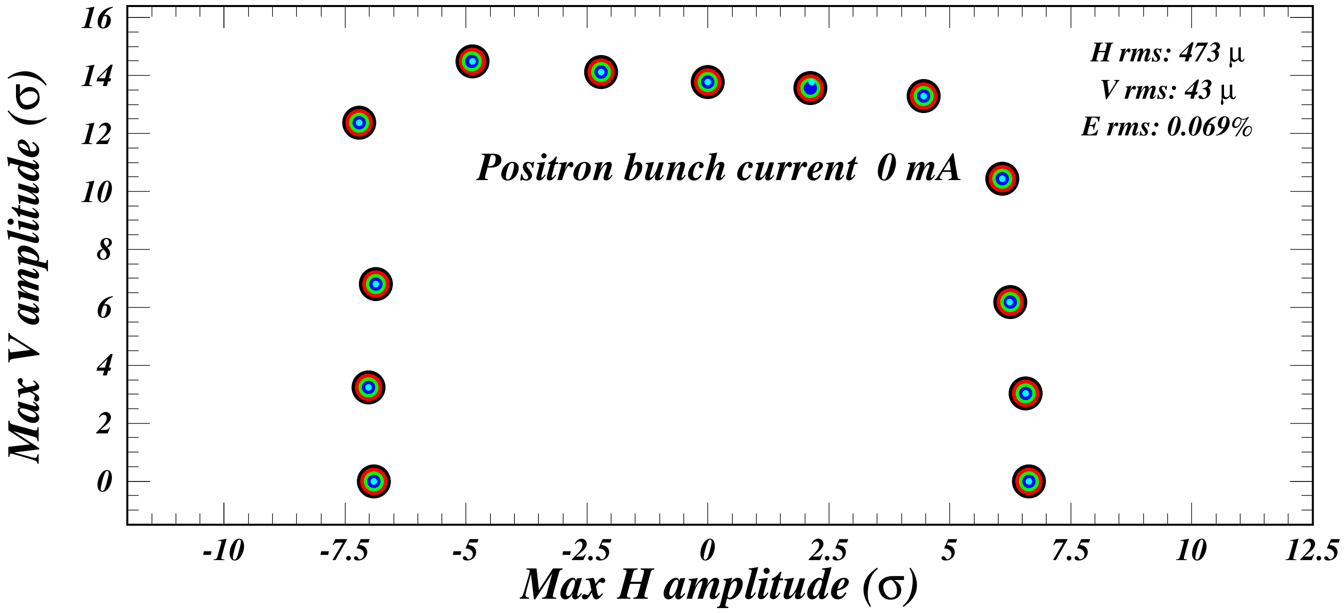
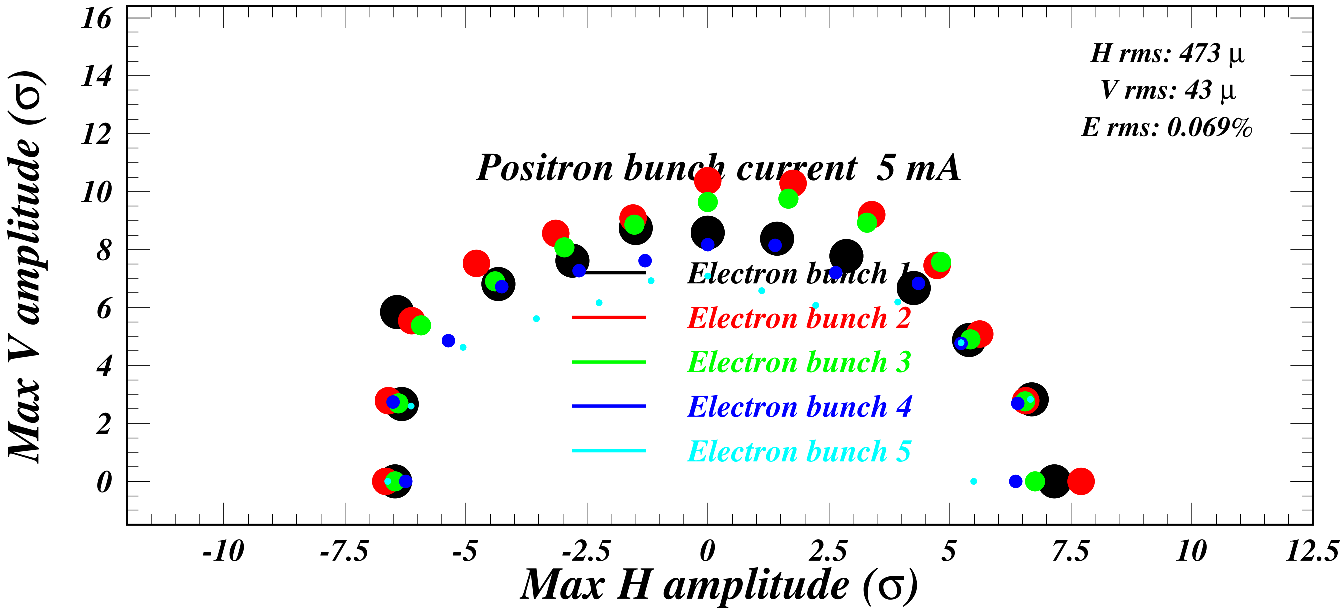
Dynamic Aperture Calculations for Job 1287: Train 6 Energy offset 4.3 σ



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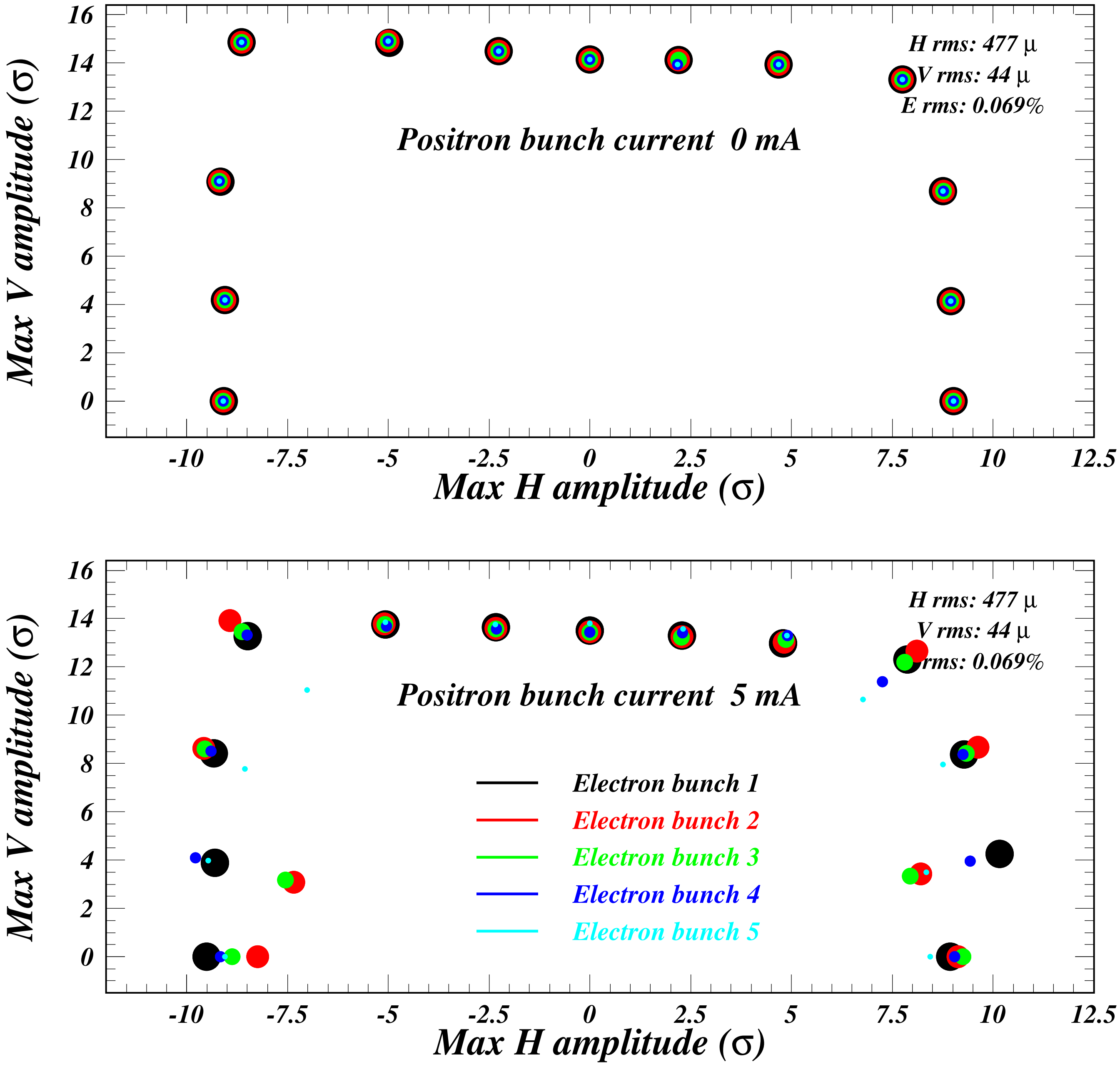
*Dynamic Aperture Calculations for Job 1287: Train 7 Energy offset 0 σ*



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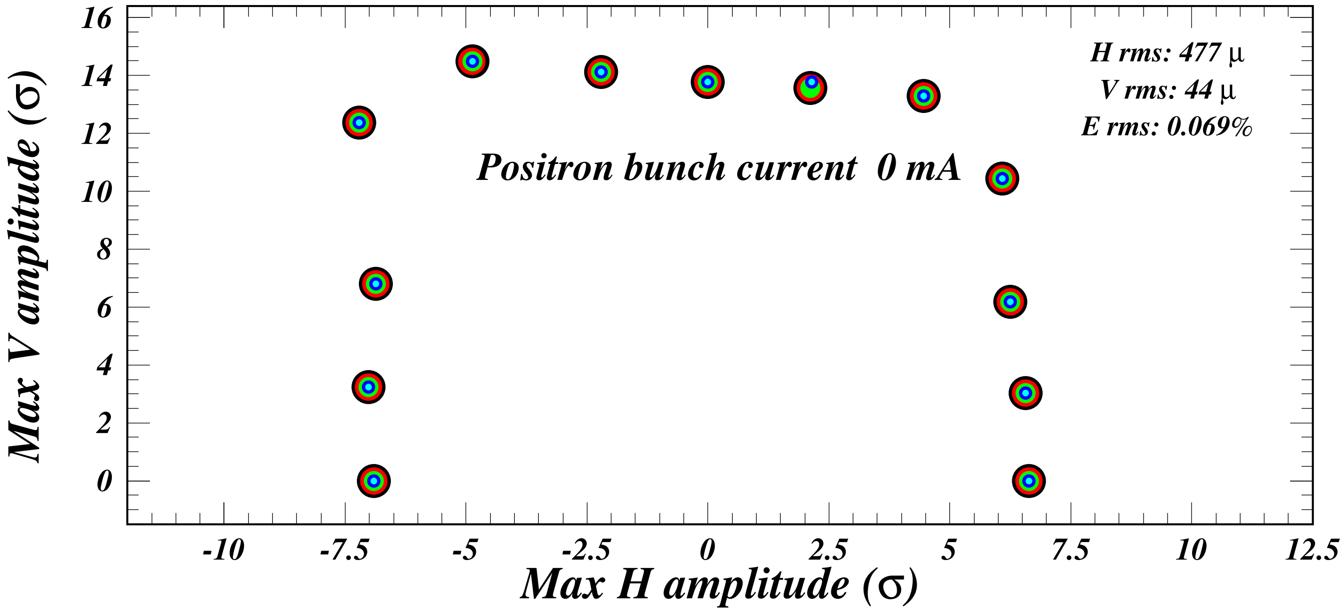
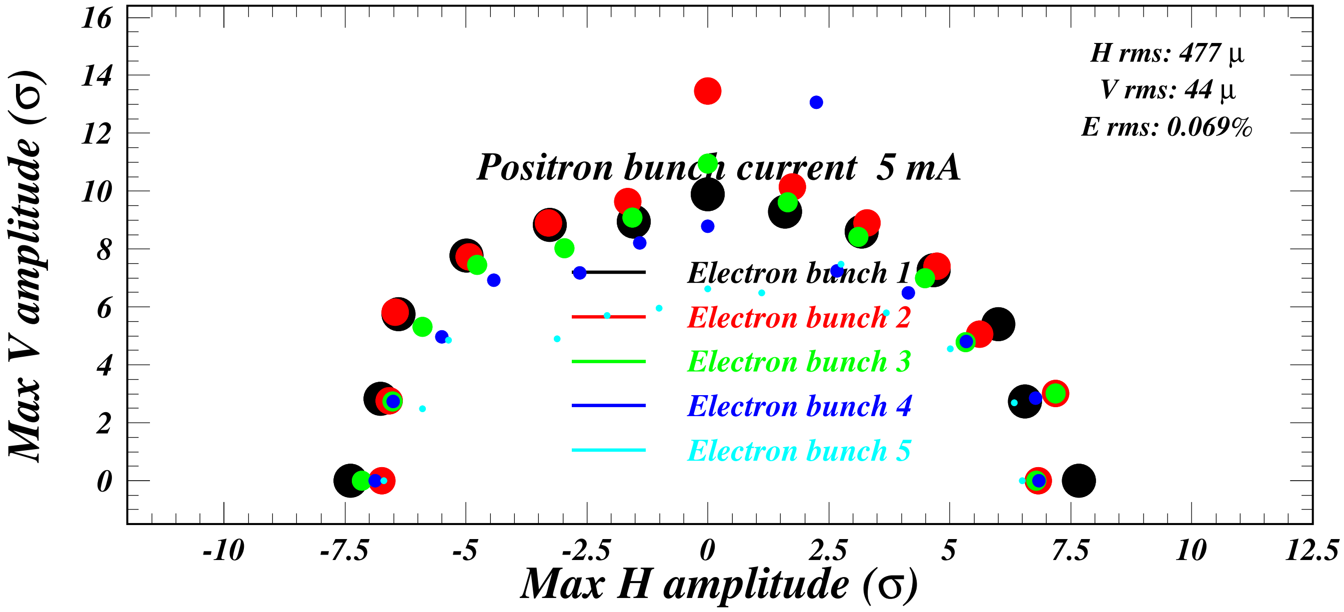
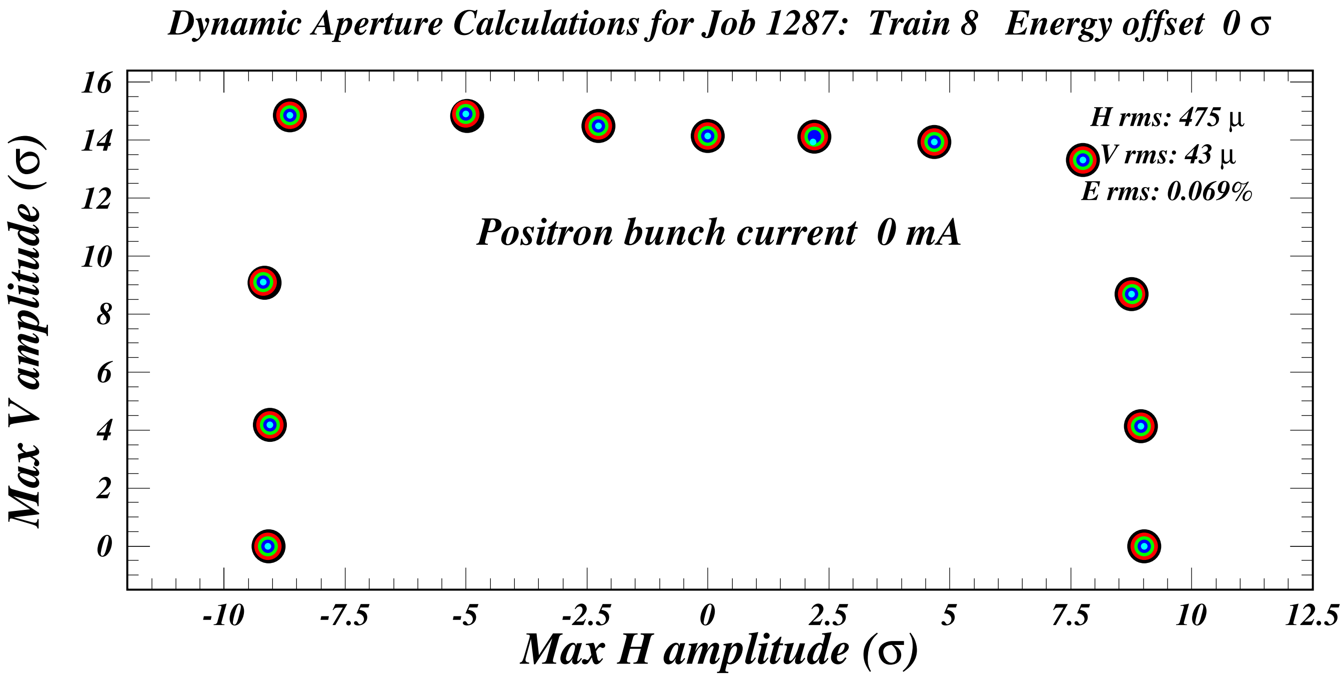
Dynamic Aperture Calculations for Job 1287: Train 7 Energy offset 4.3 σ

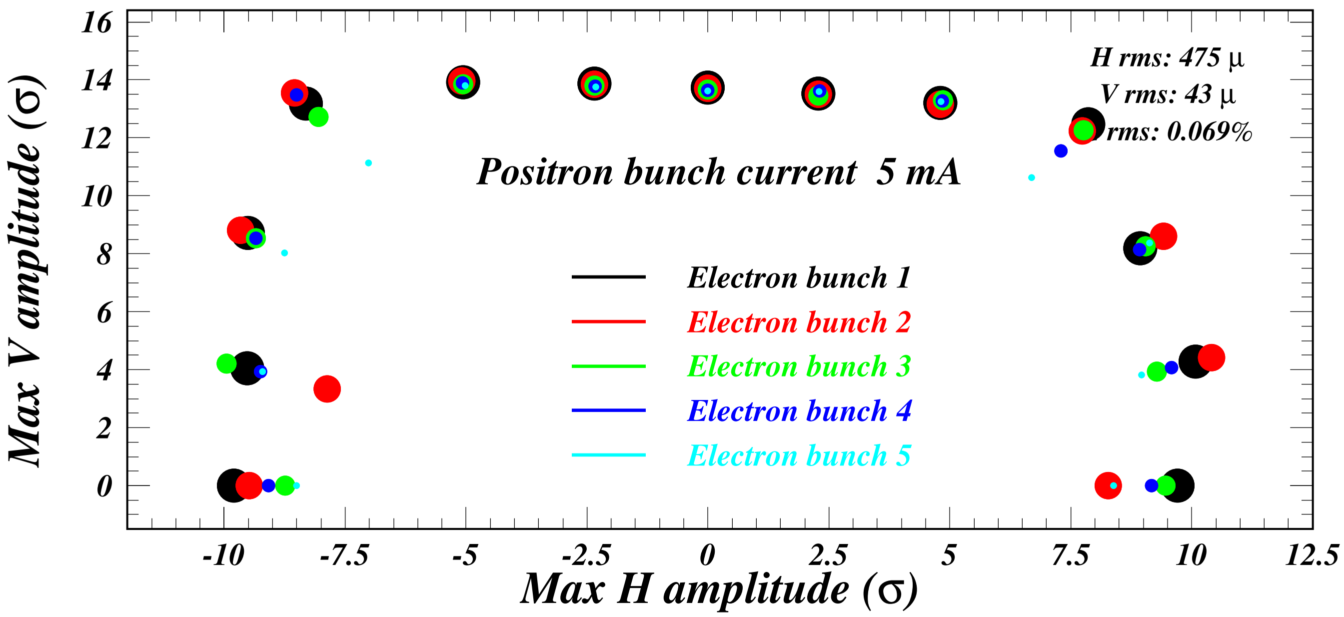


06/05/15   08.56



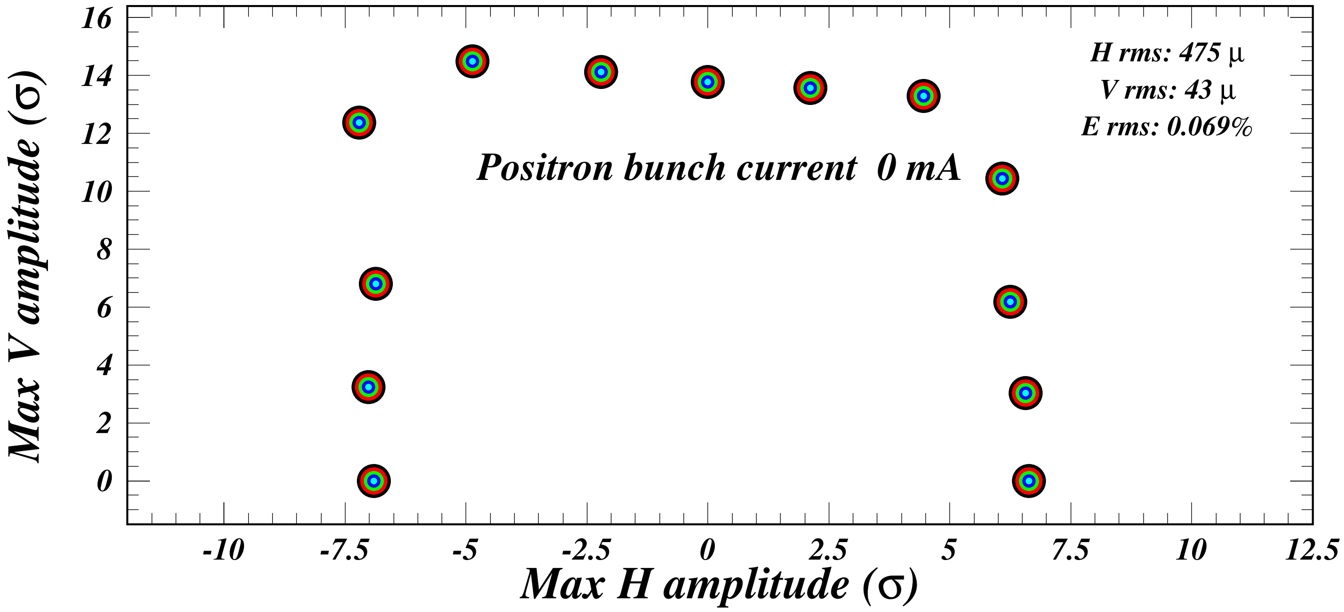
Dynamic Aperture Calculations for Job 1287:  Train 8   Energy offset  0 σ
H rms: 475 μ
V rms: 43 μ
E rms: 0.069%
Positron bunch current  0 mA
Max V amplitude (σ)
Max H amplitude (σ)
16
14
12
10
8
6
4
2
0
-10
-7.5
-5
-2.5
0
2.5
5
7.5
10
12.5

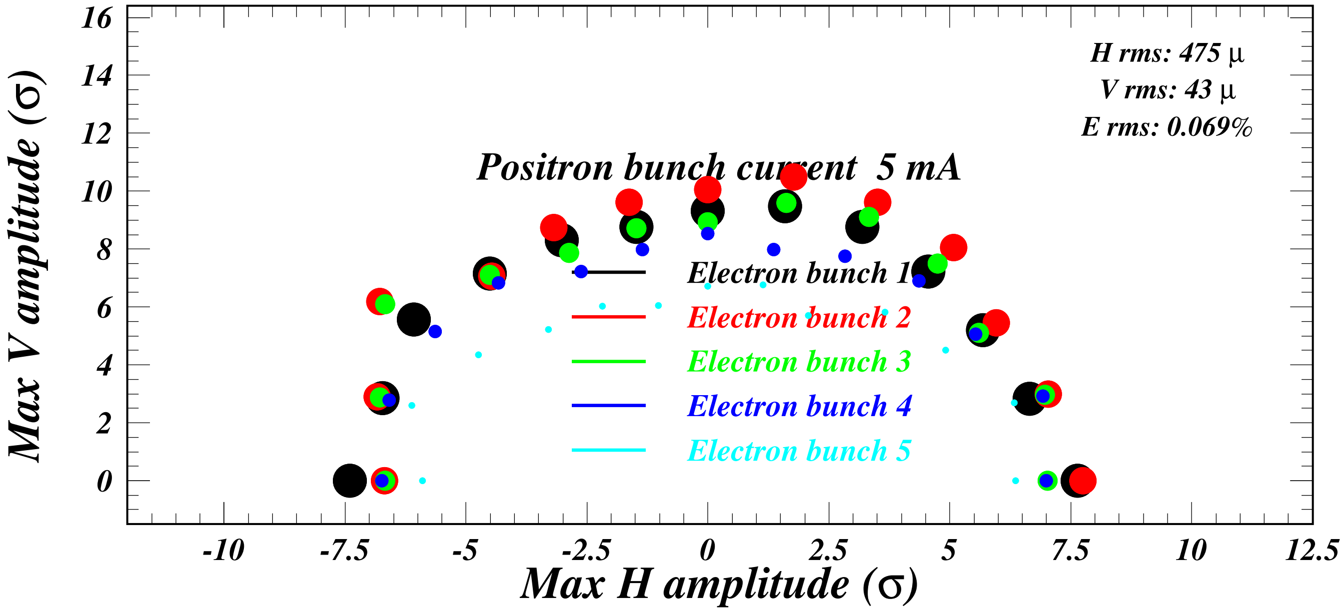



H rms: 475 μ
V rms: 43 μ
rms: 0.069%
Positron bunch current  5 mA
Electron bunch 1
Electron bunch 2
Electron bunch 3
Electron bunch 4
Electron bunch 5
Max V amplitude (σ)
Max H amplitude (σ)
16
14
12
10
8
6
4
2
0
-10
-7.5
-5
-2.5
0
2.5
5
7.5
10
12.5

06/05/15   08.56

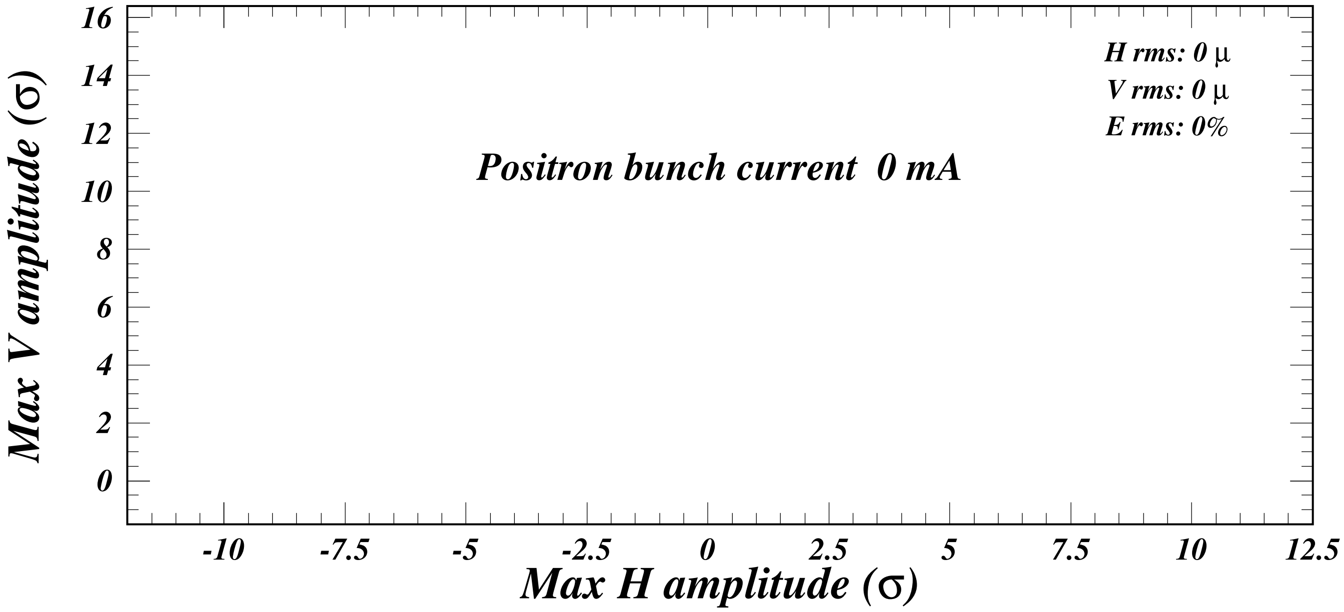
Dynamic Aperture Calculations for Job 1287:  Train 8   Energy offset  4.3 σ

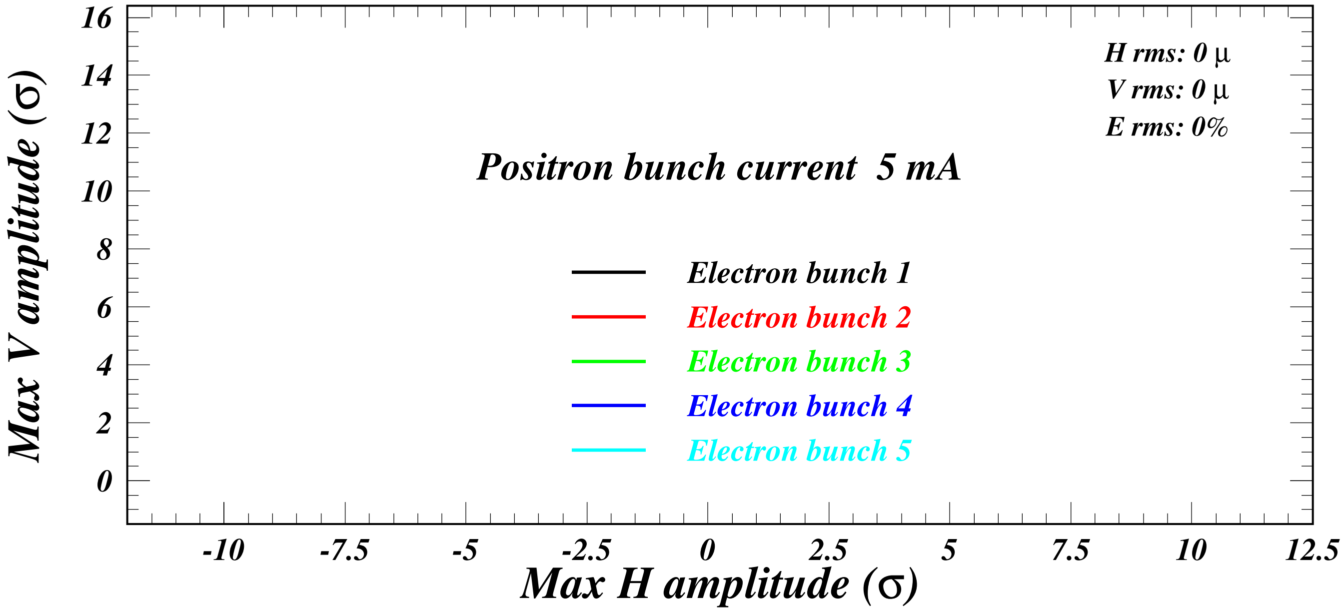


06/05/15   08.56

Dynamic Aperture Calculations for Job 1287:  Train 9   Energy offset  0 σ



*Dynamic Aperture Calculations for Job 1287: Train 9 Energy offset 4.3 σ*