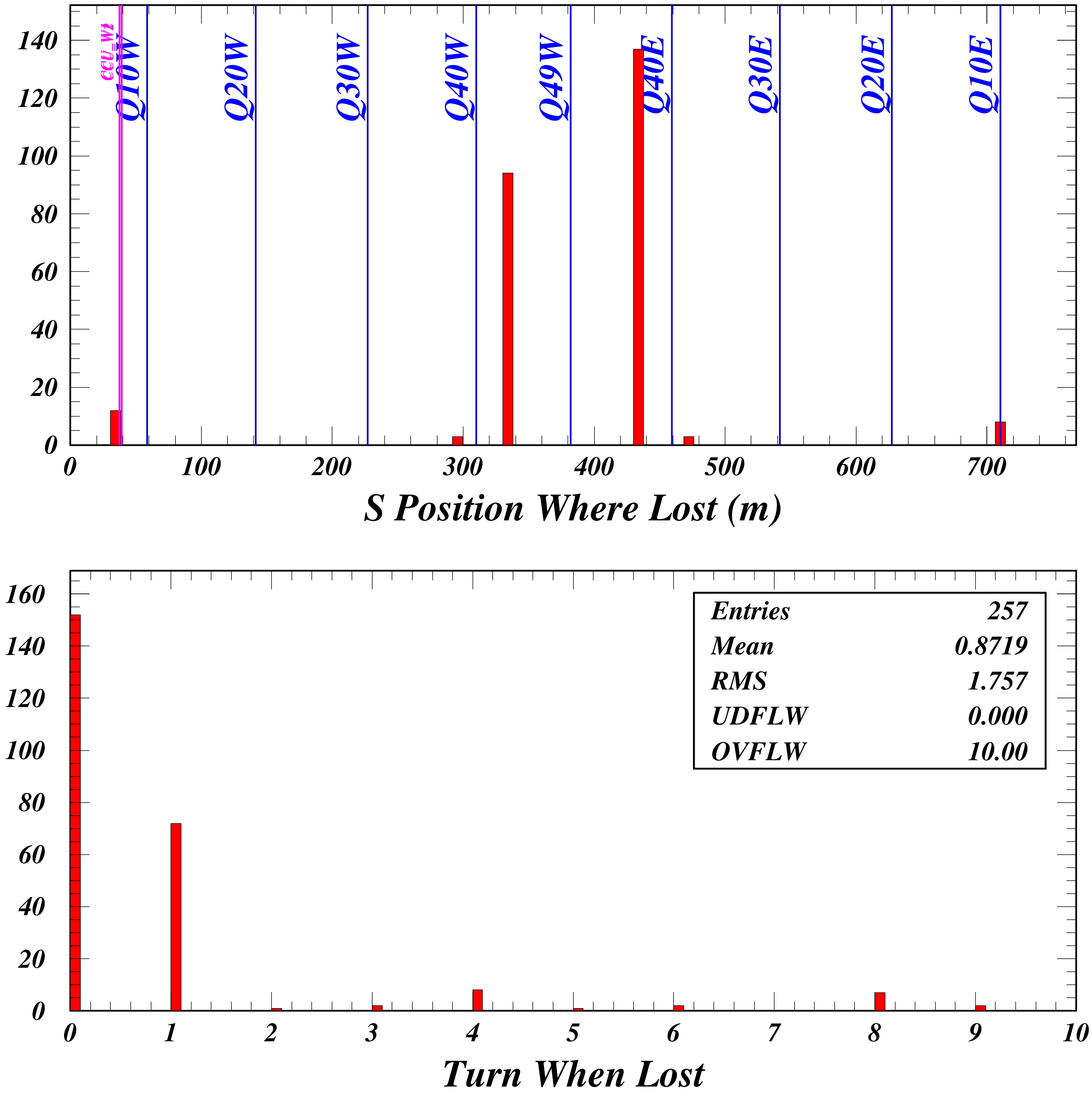
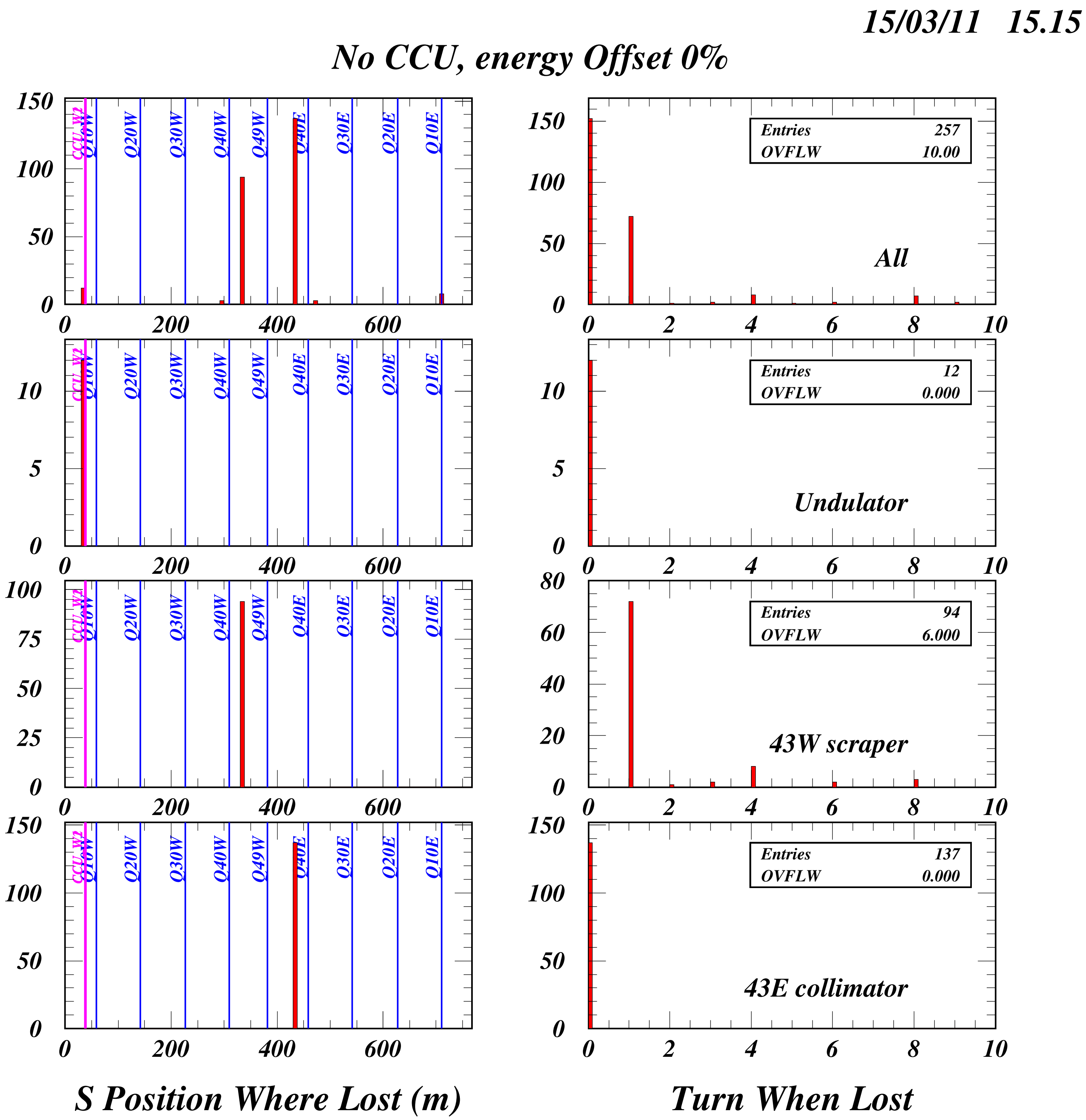
15/03/11 15.15

No CCU, energy Offset 0%




15/03/11 15.15
No CCU, energy Offset 0%
CCU_W2
Q10W
Q20W
Q30W
Q40W
Q49W
Q40E
Q30E
Q20E
Q10E
Entries 257
OVFLW 10.00
All
Entries 12
OVFLW 0.000
Undulator
Entries 94
OVFLW 6.000
43W scraper
Entries 137
OVFLW 0.000
43E collimator
S Position Where Lost (m)
Turn When Lost

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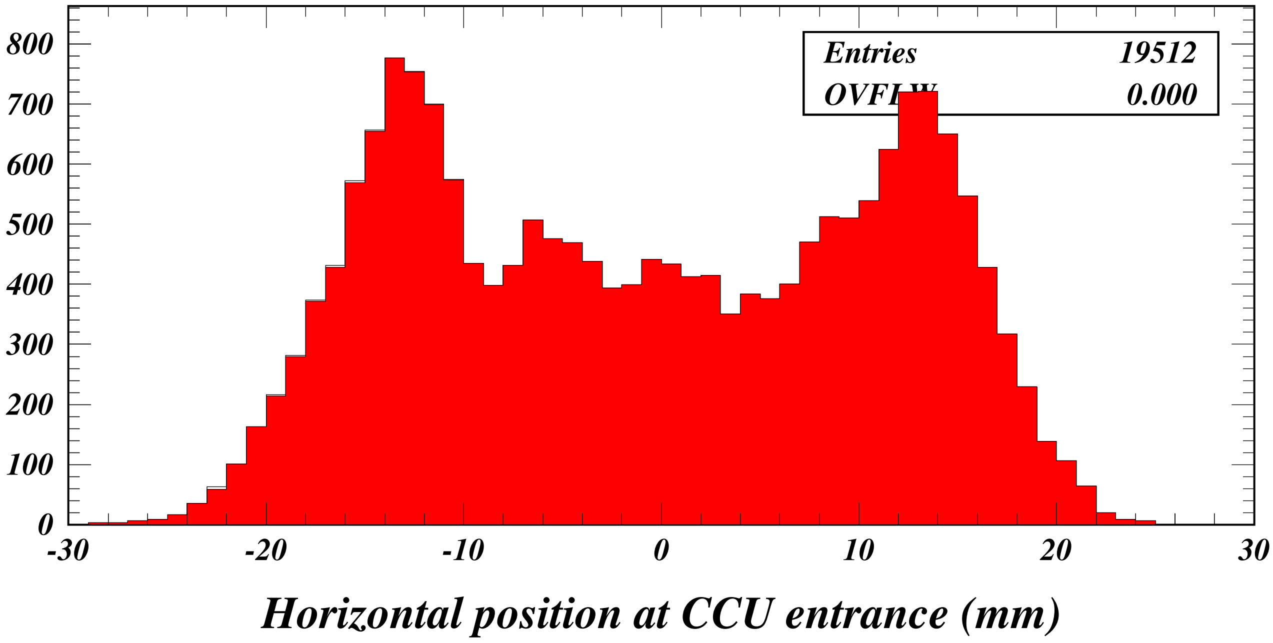
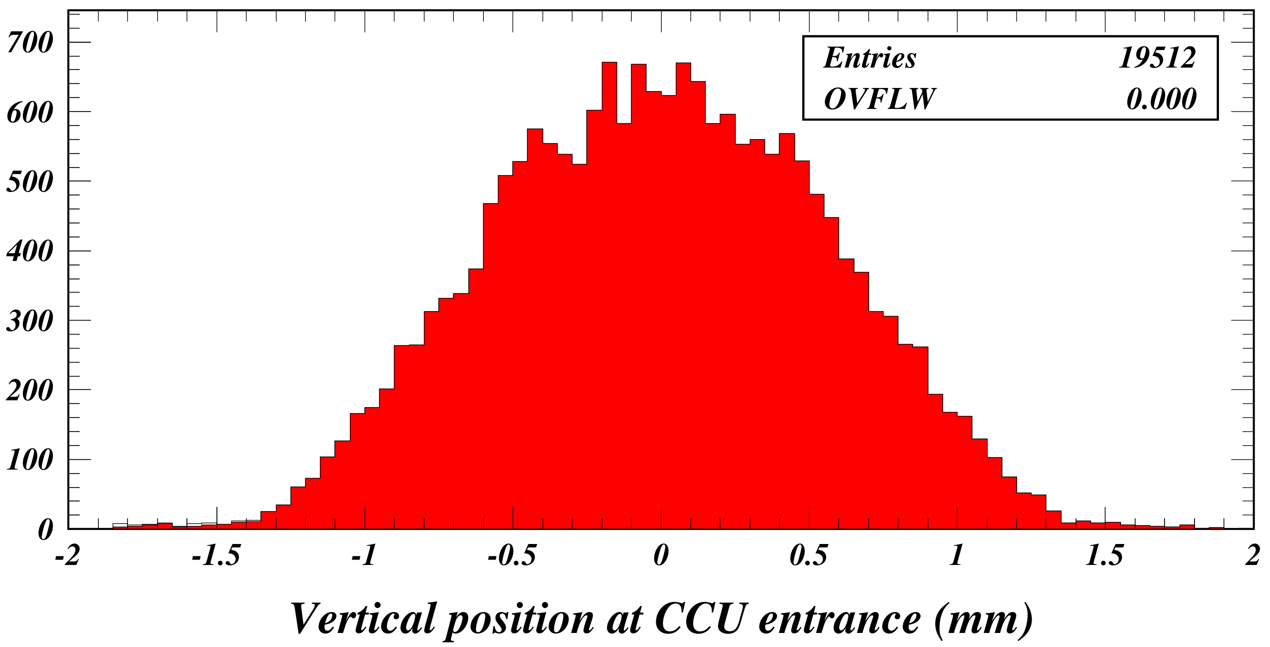
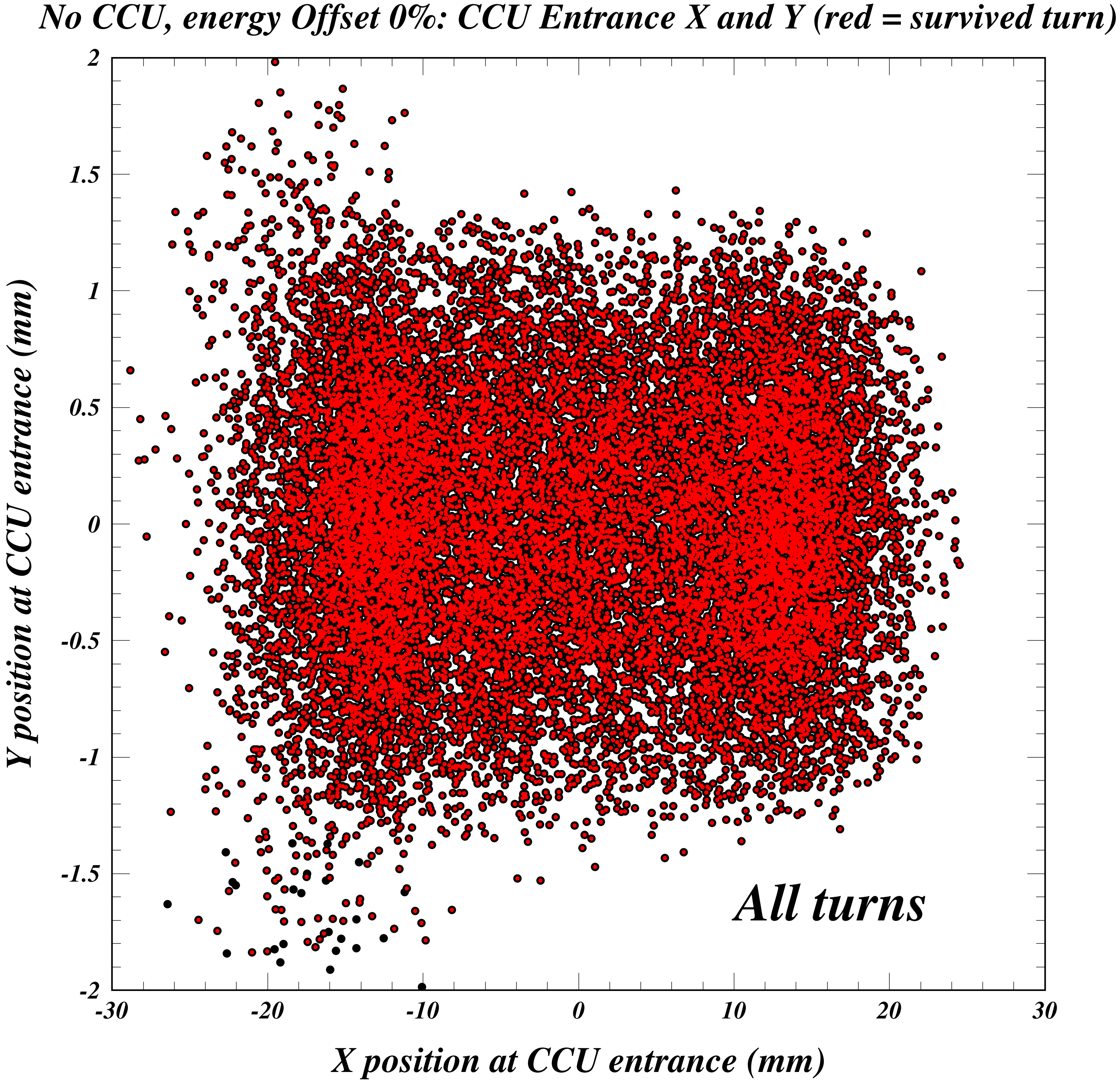
# No CCU, energy Offset 0%: CCU Entrance X and Y (red = survived turn)



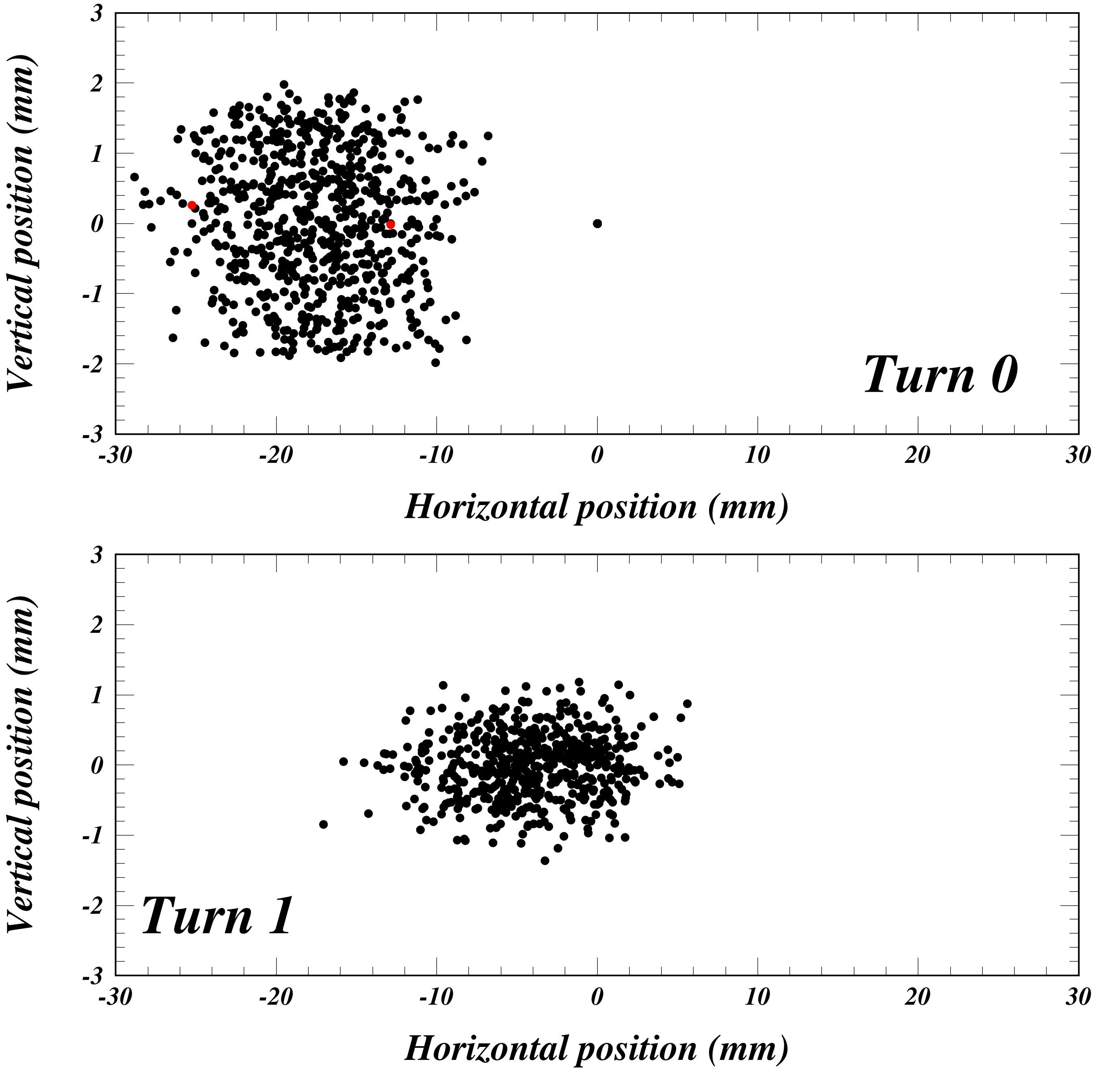



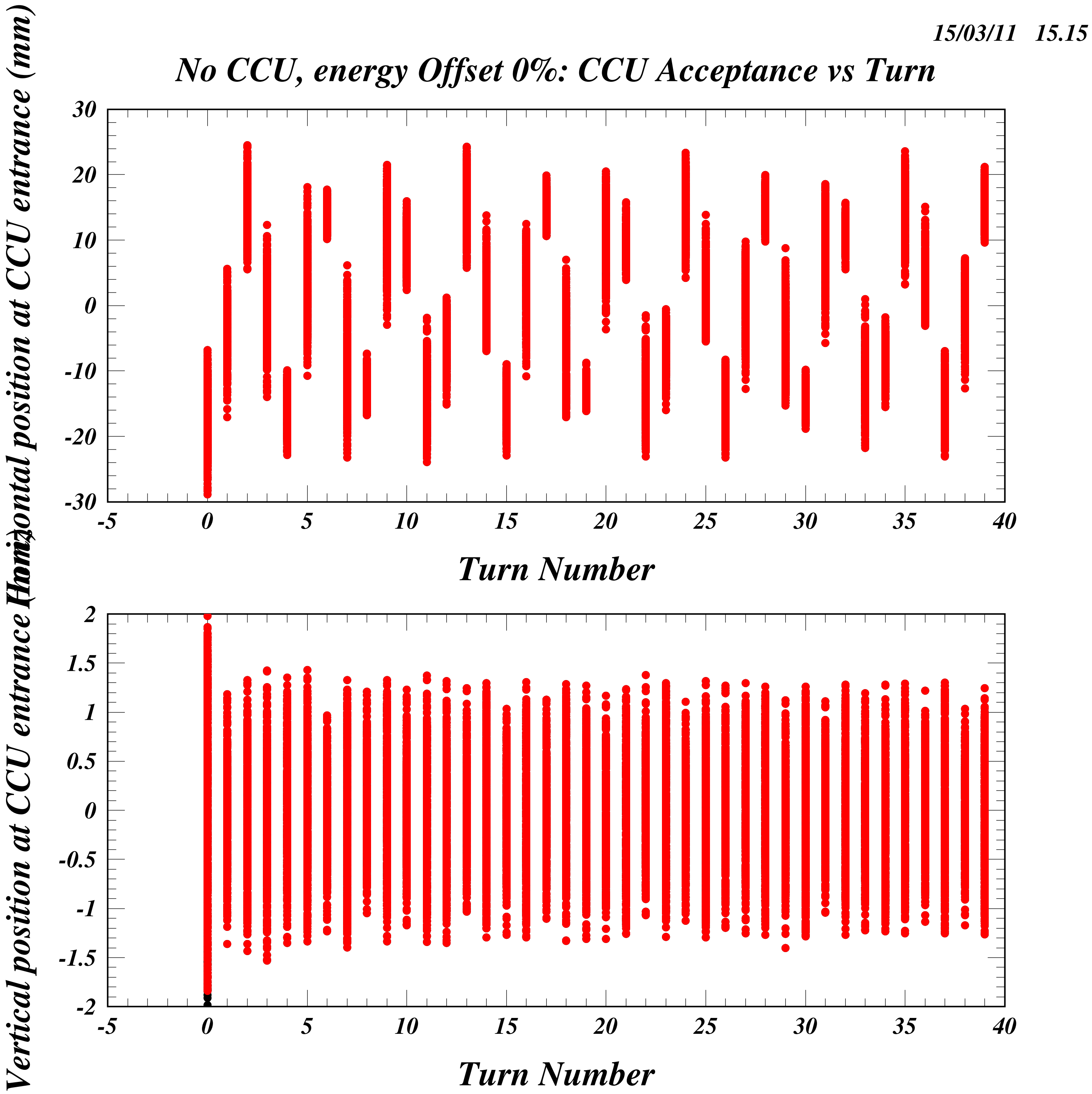
15/03/11 15.15


No CCU, energy Offset 0%: CCU Entrance X and Y (red = survived turn)
Y position at CCU entrance (mm)
X position at CCU entrance (mm)
All turns
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-30
-20
-10
0
10
20
30

15/03/11   15.15

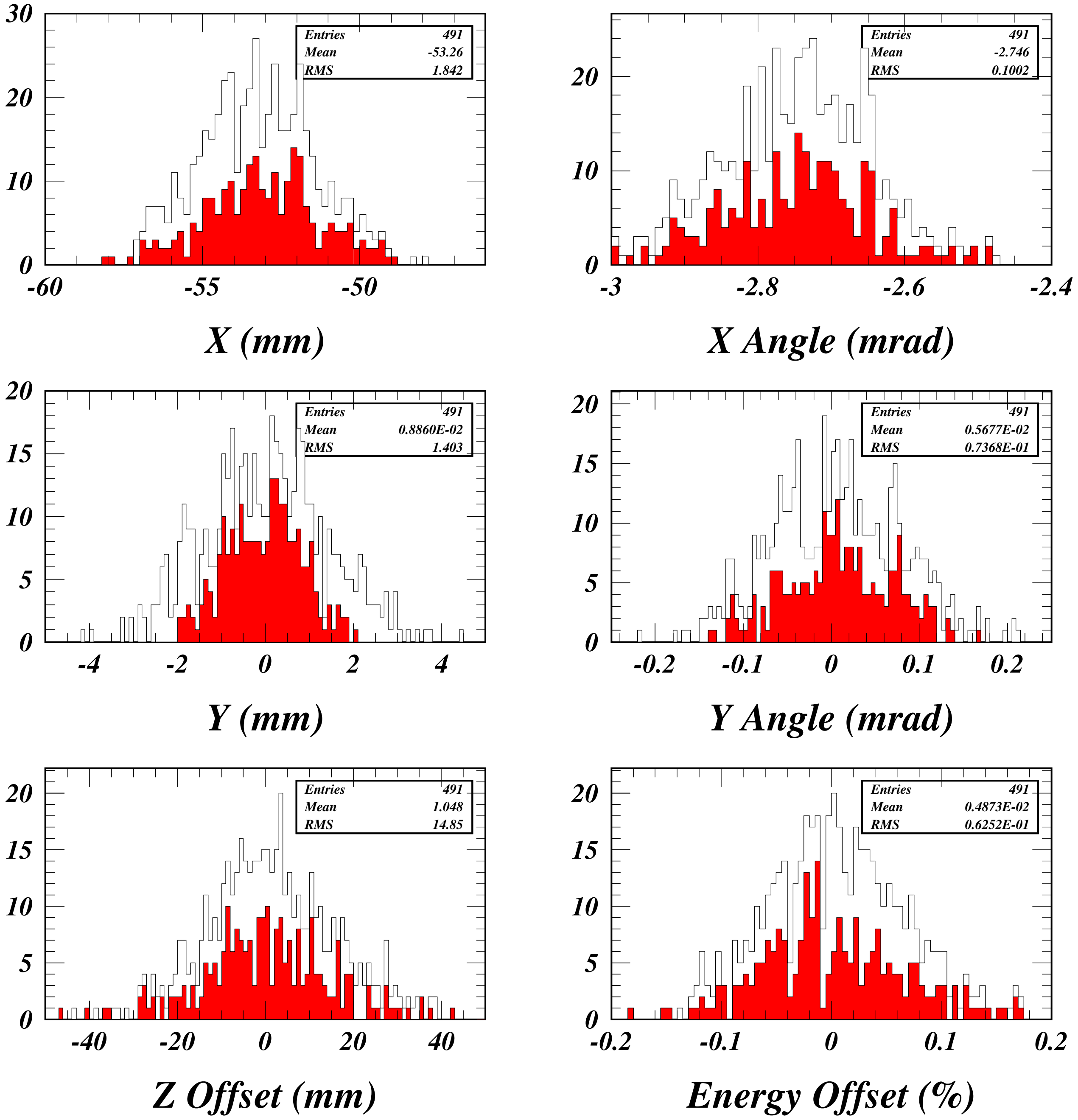
No CCU, energy Offset 0%: CCU Entrance X and Y (red = survived turn)



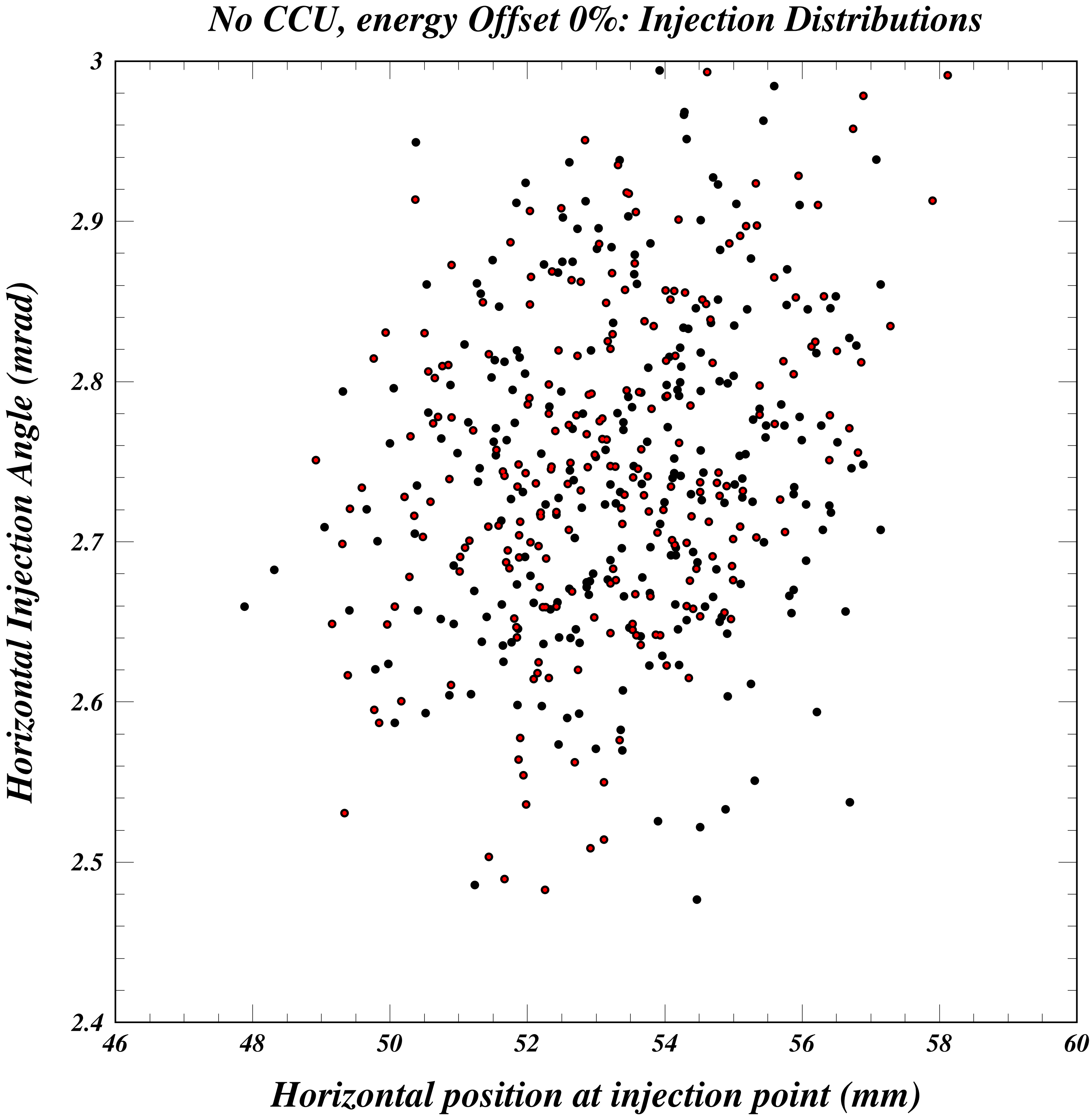

15/03/11 15.15
No CCU, energy Offset 0%: CCU Acceptance vs Turn
Horizontal position at CCU entrance (mm)
Turn Number
Vertical position at CCU entrance (mm)
Turn Number

15/03/11 15.16

# No CCU, energy Offset 0%: Injection Distributions



15/03/11 15.16


No CCU, energy Offset 0%: Injection Distributions
Horizontal Injection Angle (mrad)
Horizontal position at injection point (mm)
3
2.9
2.8
2.7
2.6
2.5
2.4
46
48
50
52
54
56
58
60

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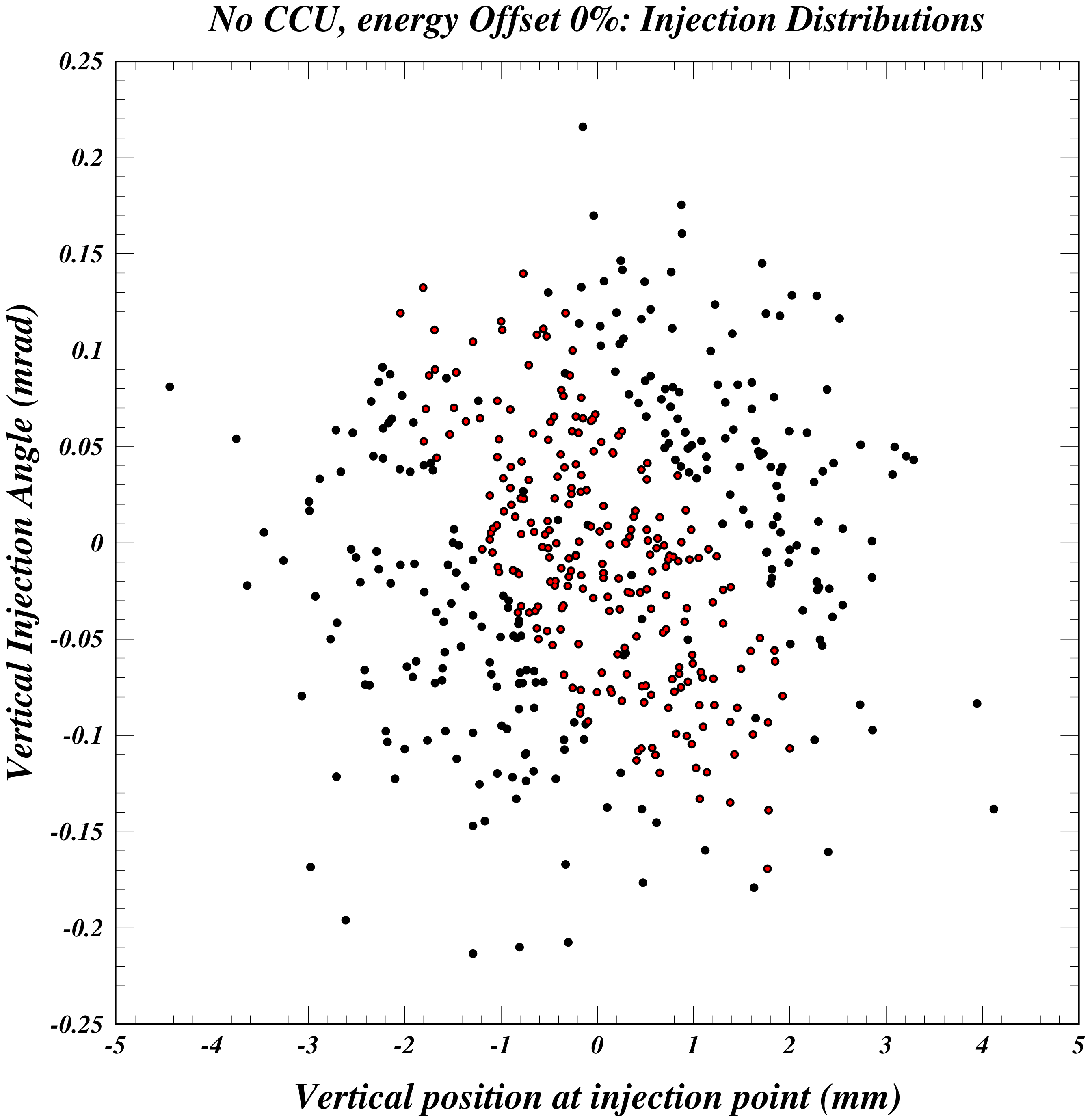

No CCU, energy Offset 0%: Injection Distributions
Vertical Injection Angle (mrad)
0.25
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.25
-5
-4
-3
-2
-1
0
1
2
3
4
5
Vertical position at injection point (mm)

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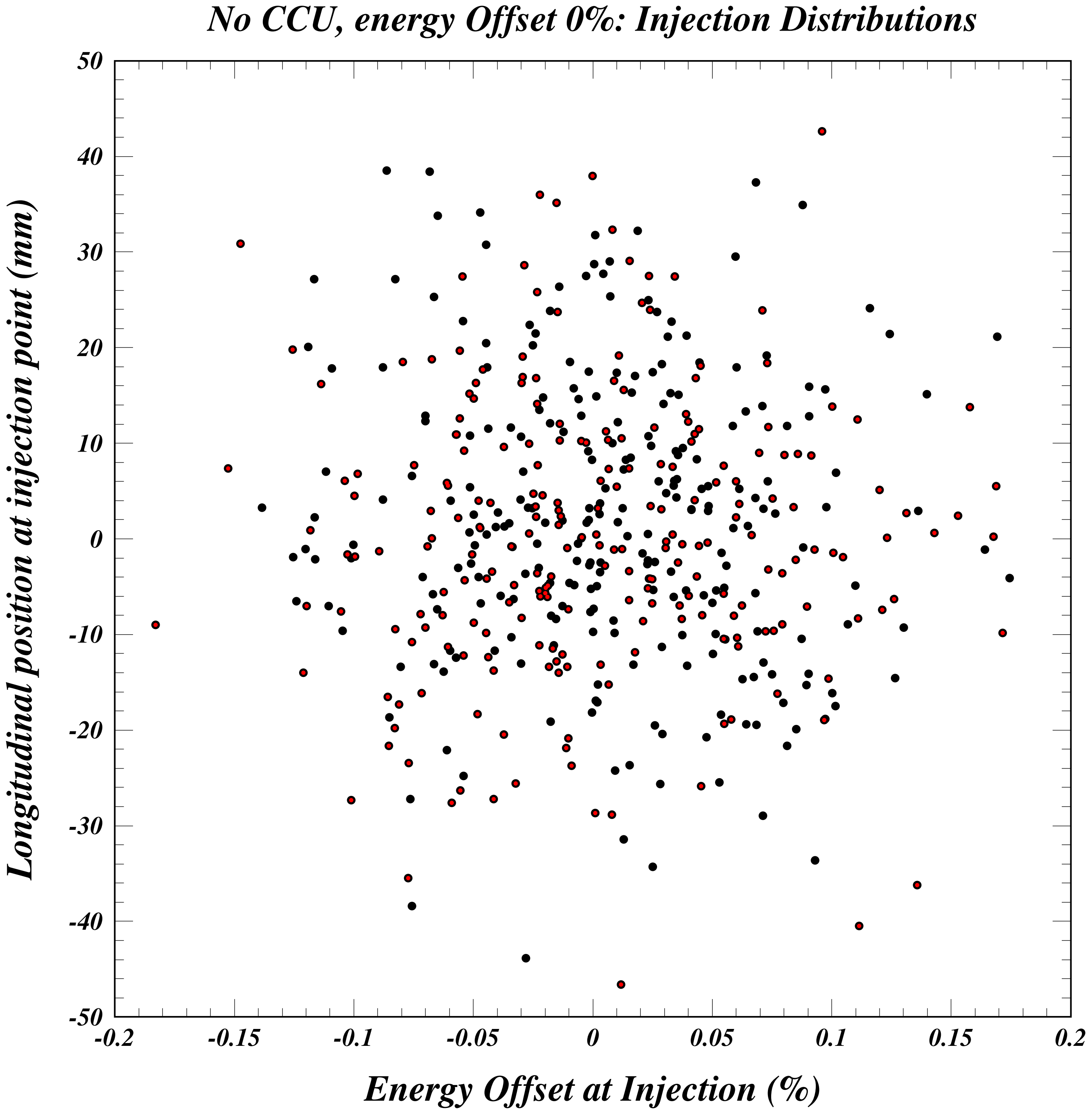
No CCU, energy Offset 0%: Injection Distributions
Longitudinal position at injection point (mm)
50
40
30
20
10
0
-10
-20
-30
-40
-50
-0.2
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
0.2
Energy Offset at Injection (%)

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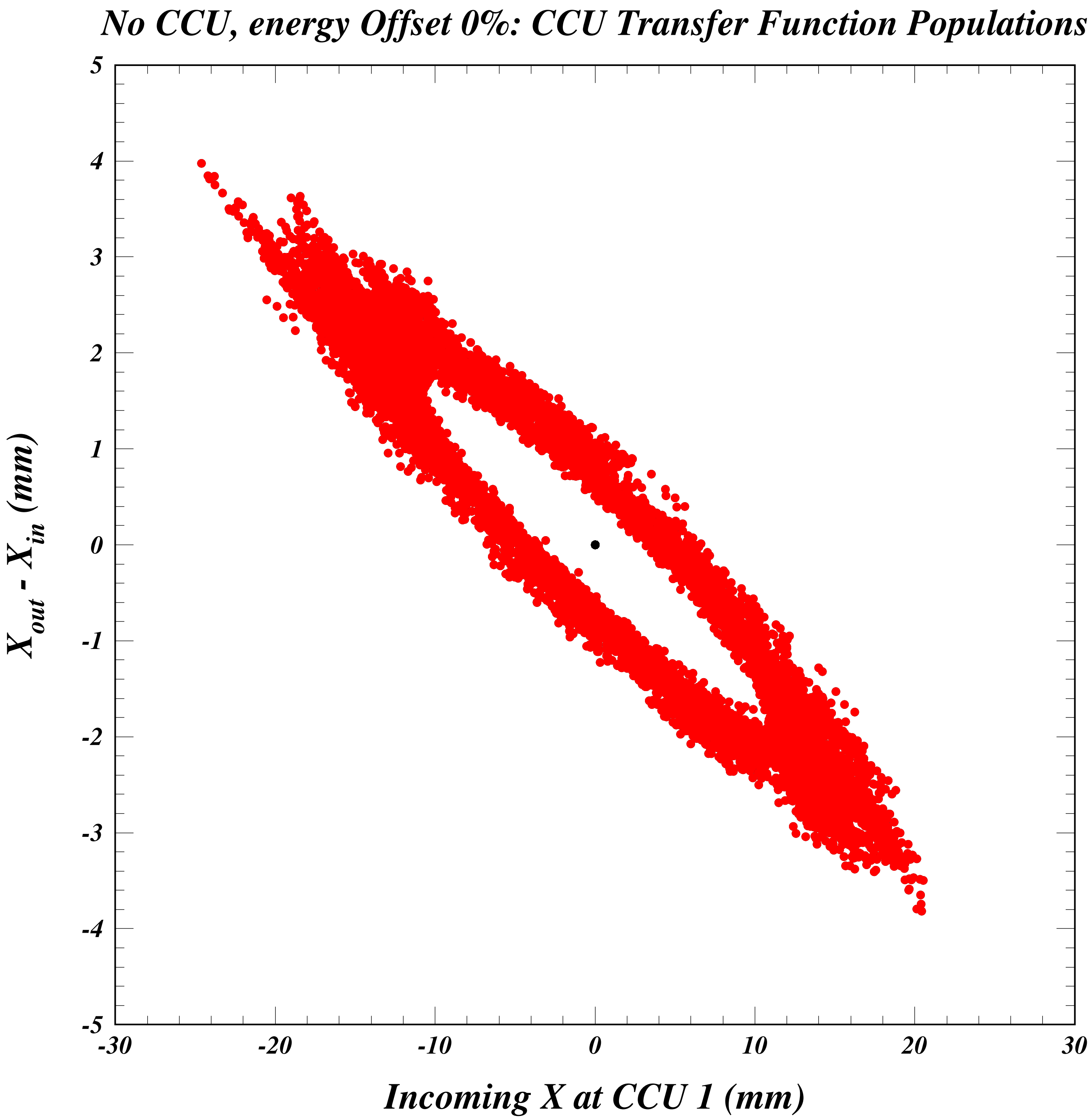
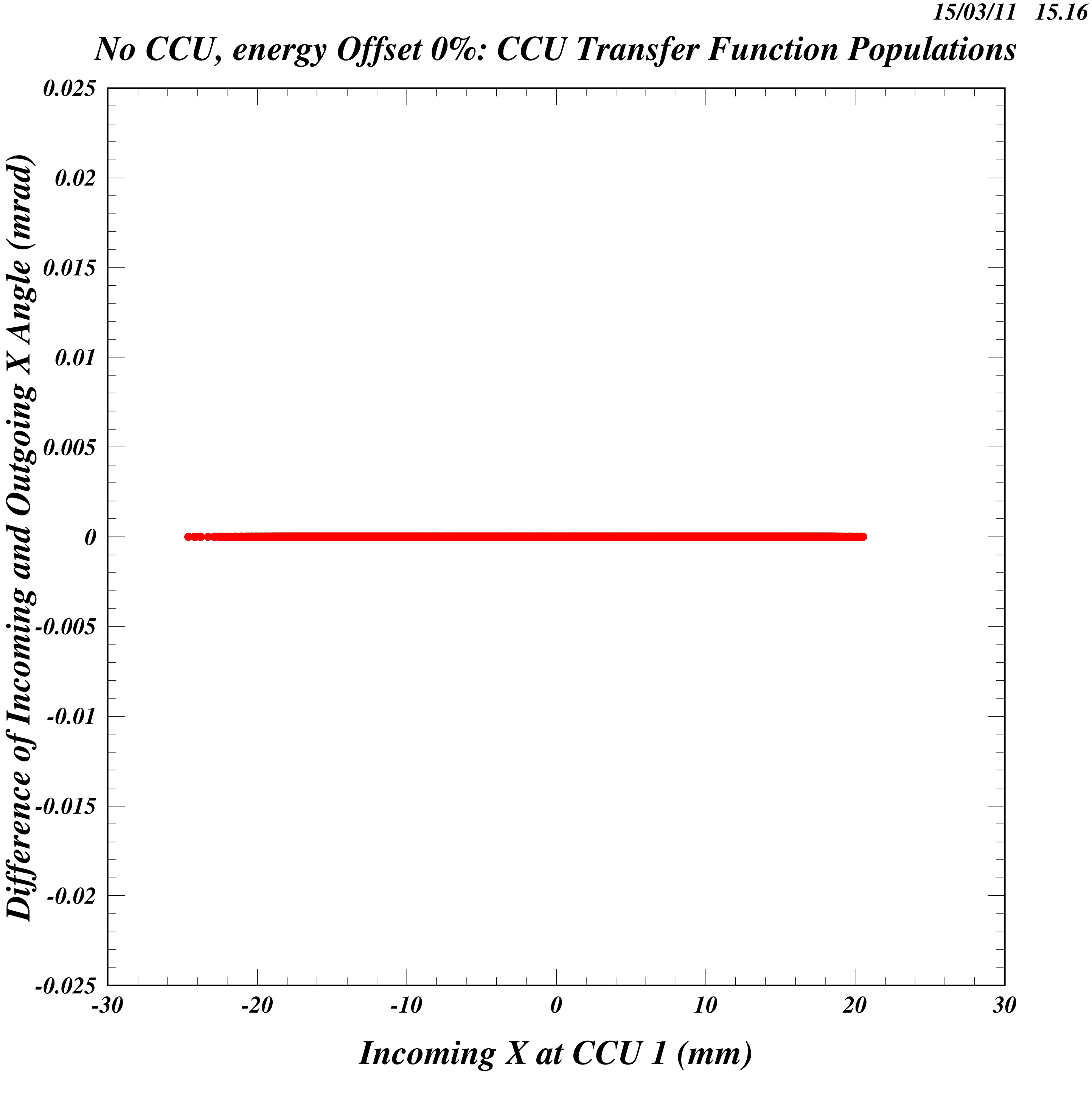
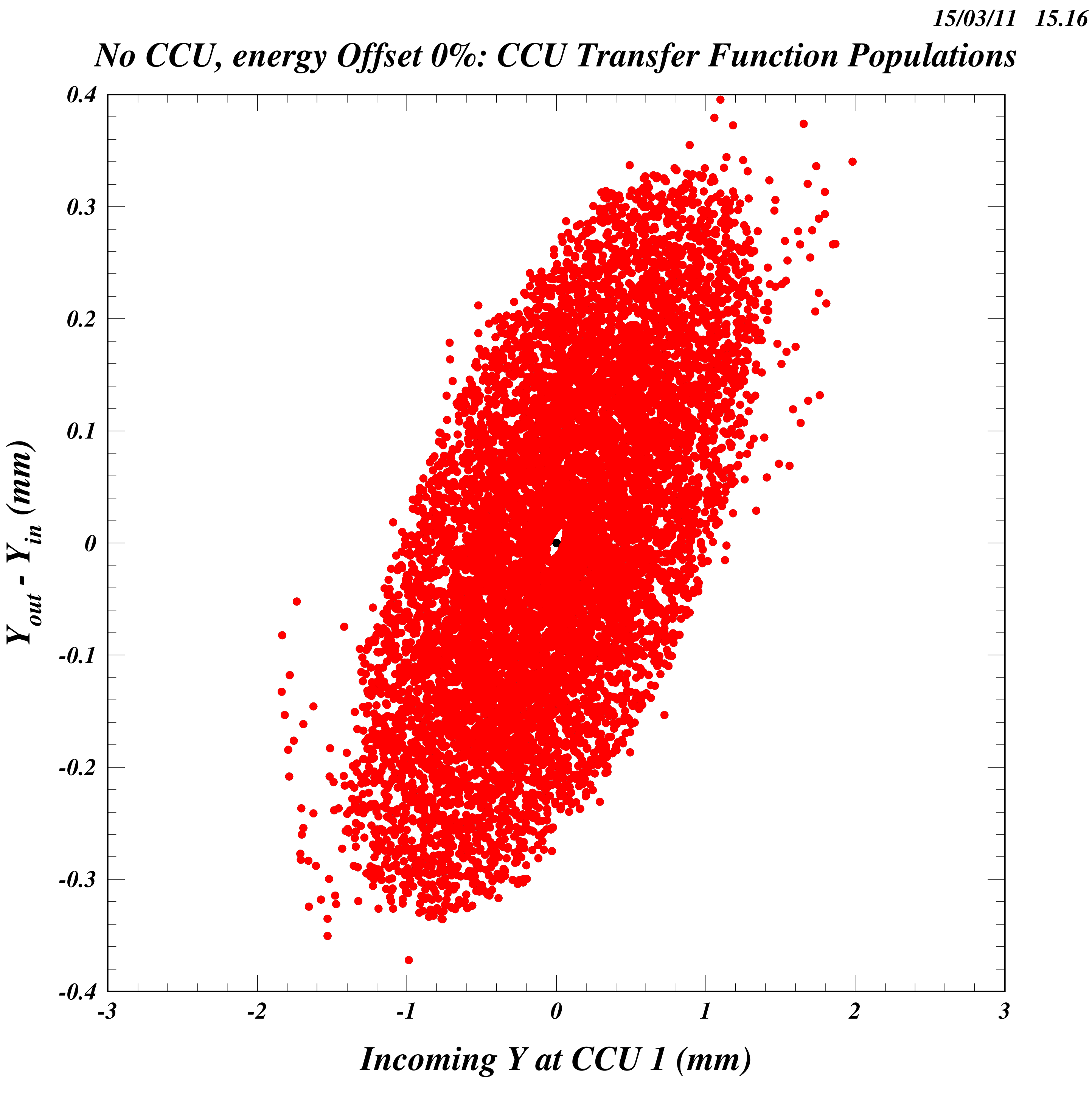
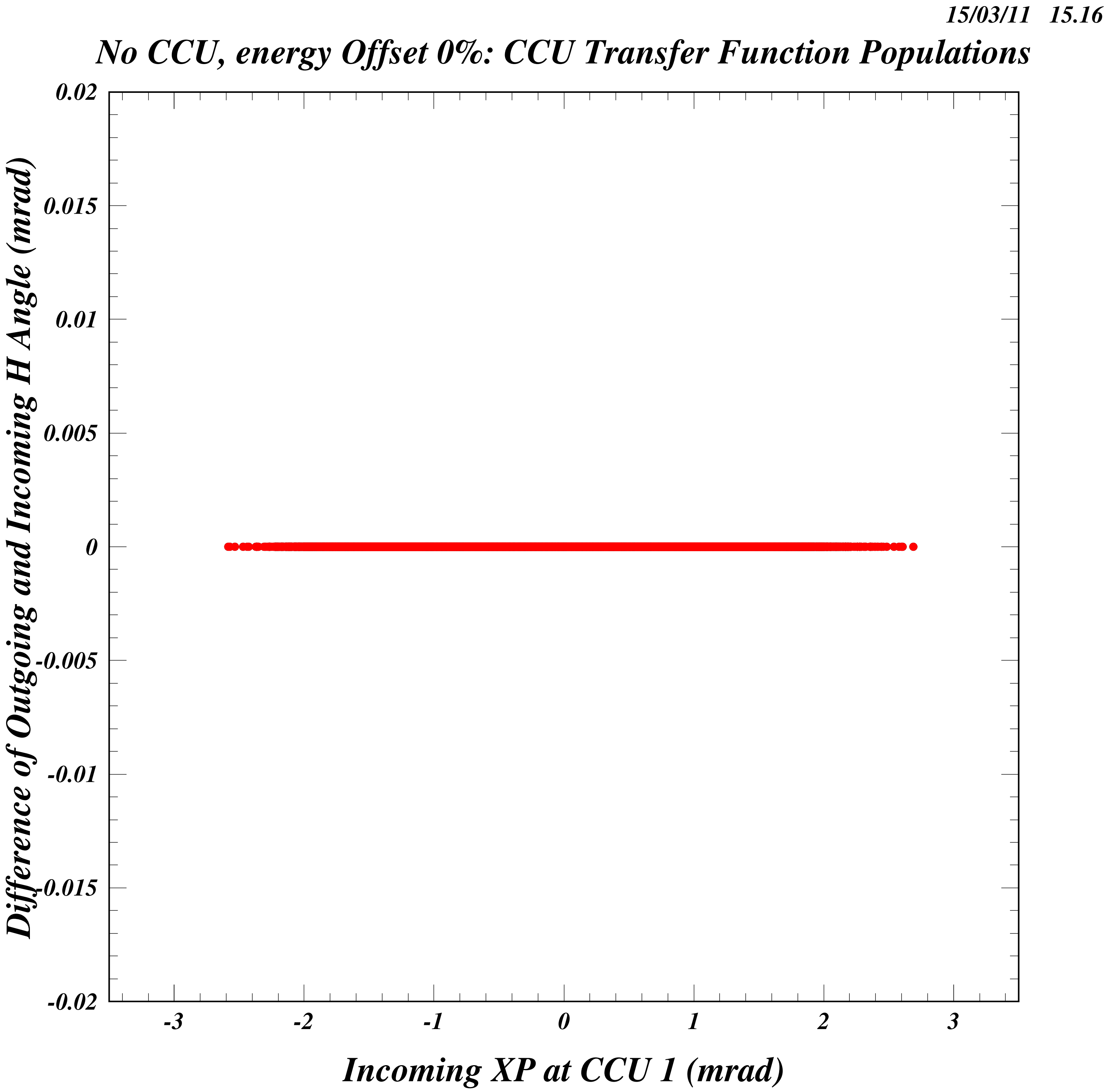

No CCU, energy Offset 0%: CCU Transfer Function Populations
5
4
3
2
1
0
-1
-2
-3
-4
-5
-30
-20
-10
0
10
20
30
$X_{out}$ - $X_{in}$ (mm)
Incoming X at CCU 1 (mm)


15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
Difference of Incoming and Outgoing X Angle (mrad)
0.025
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
-0.025
-30
-20
-10
0
10
20
30
Incoming X at CCU 1 (mm)


15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-3
-2
-1
0
1
2
3
$Y_{out}$ - $Y_{in}$ (mm)
Incoming Y at CCU 1 (mm)


15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
Difference of Outgoing and Incoming H Angle (mrad)
-3
-2
-1
0
1
2
3
Incoming XP at CCU 1 (mrad)

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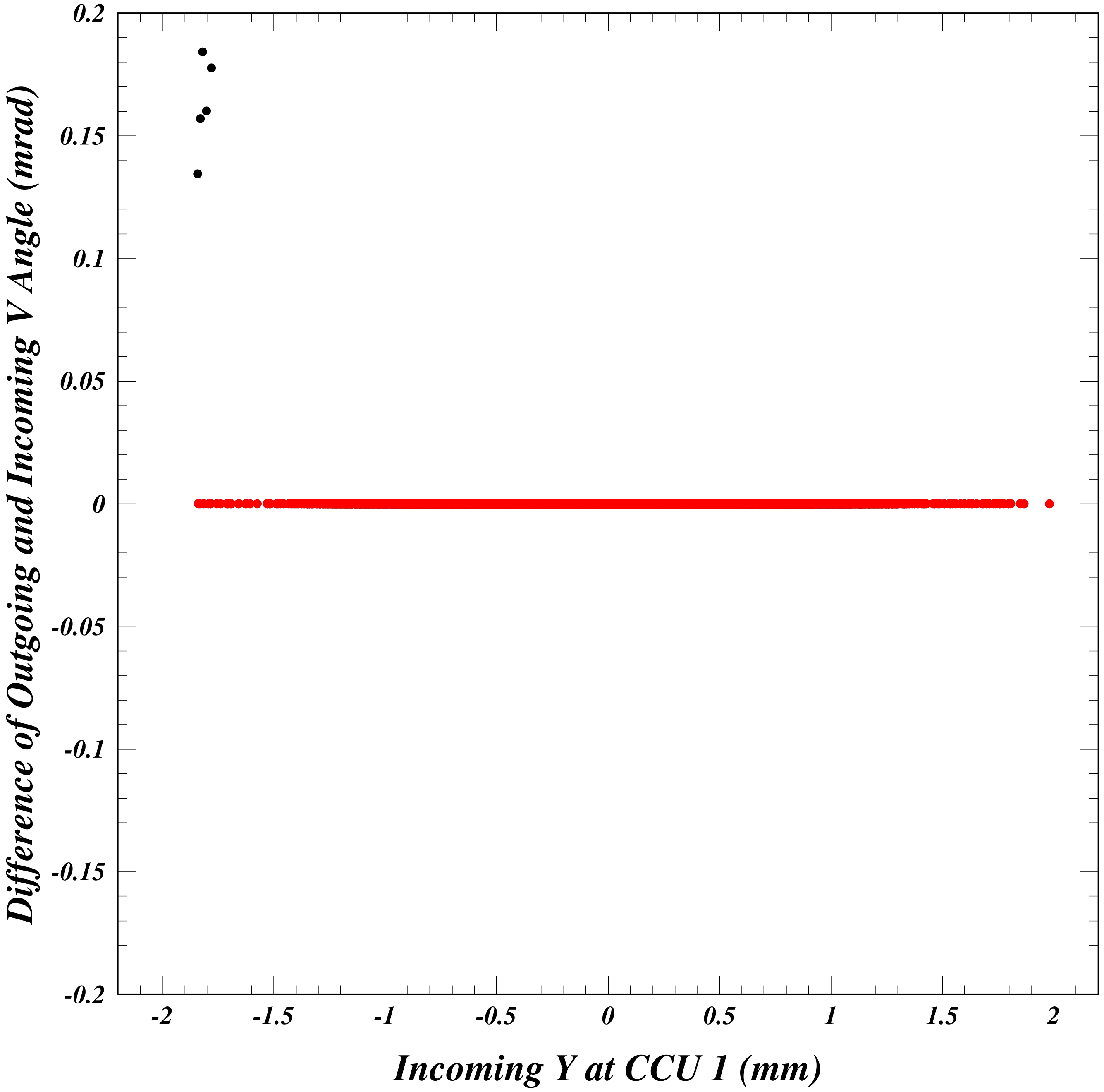
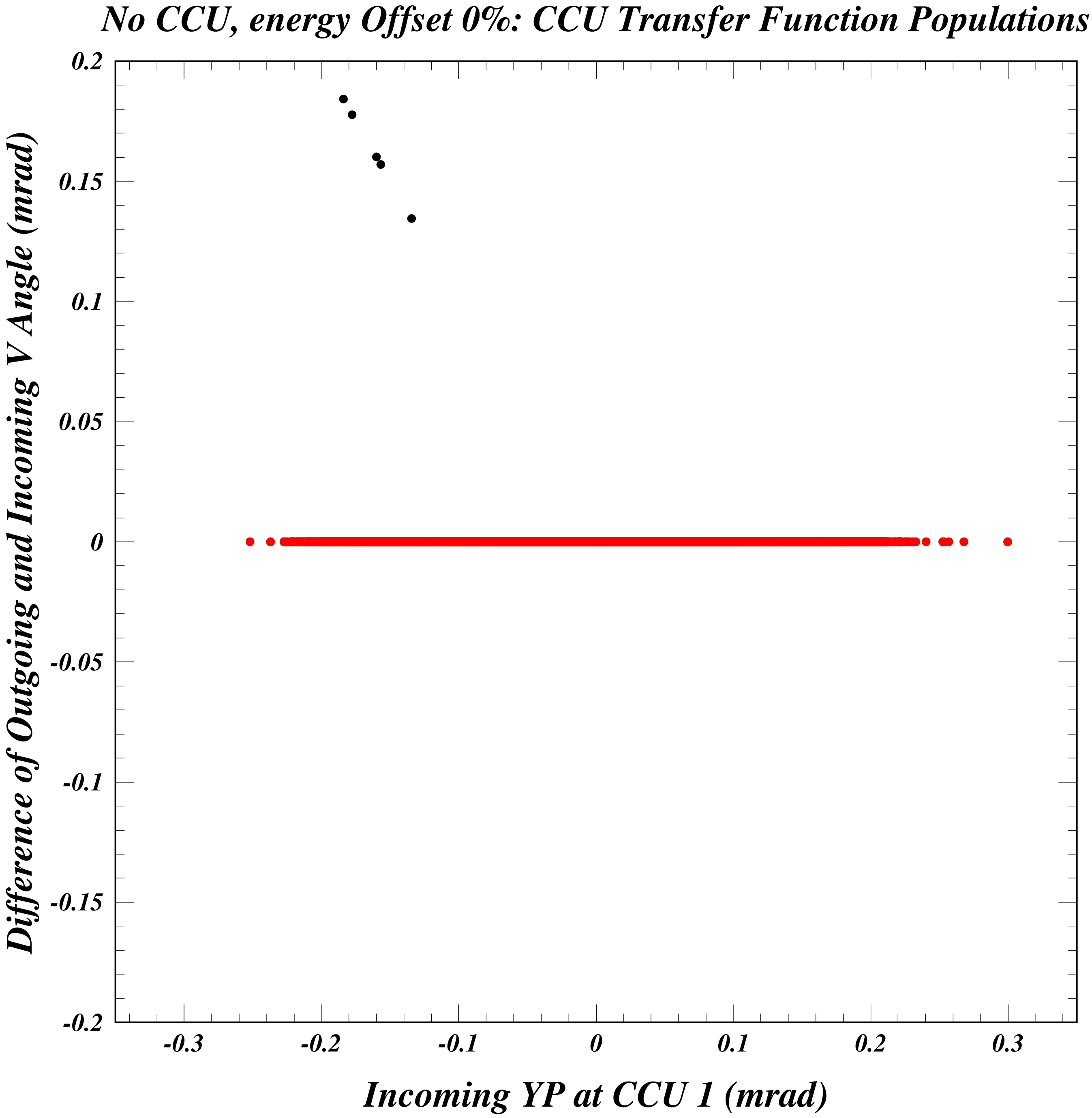
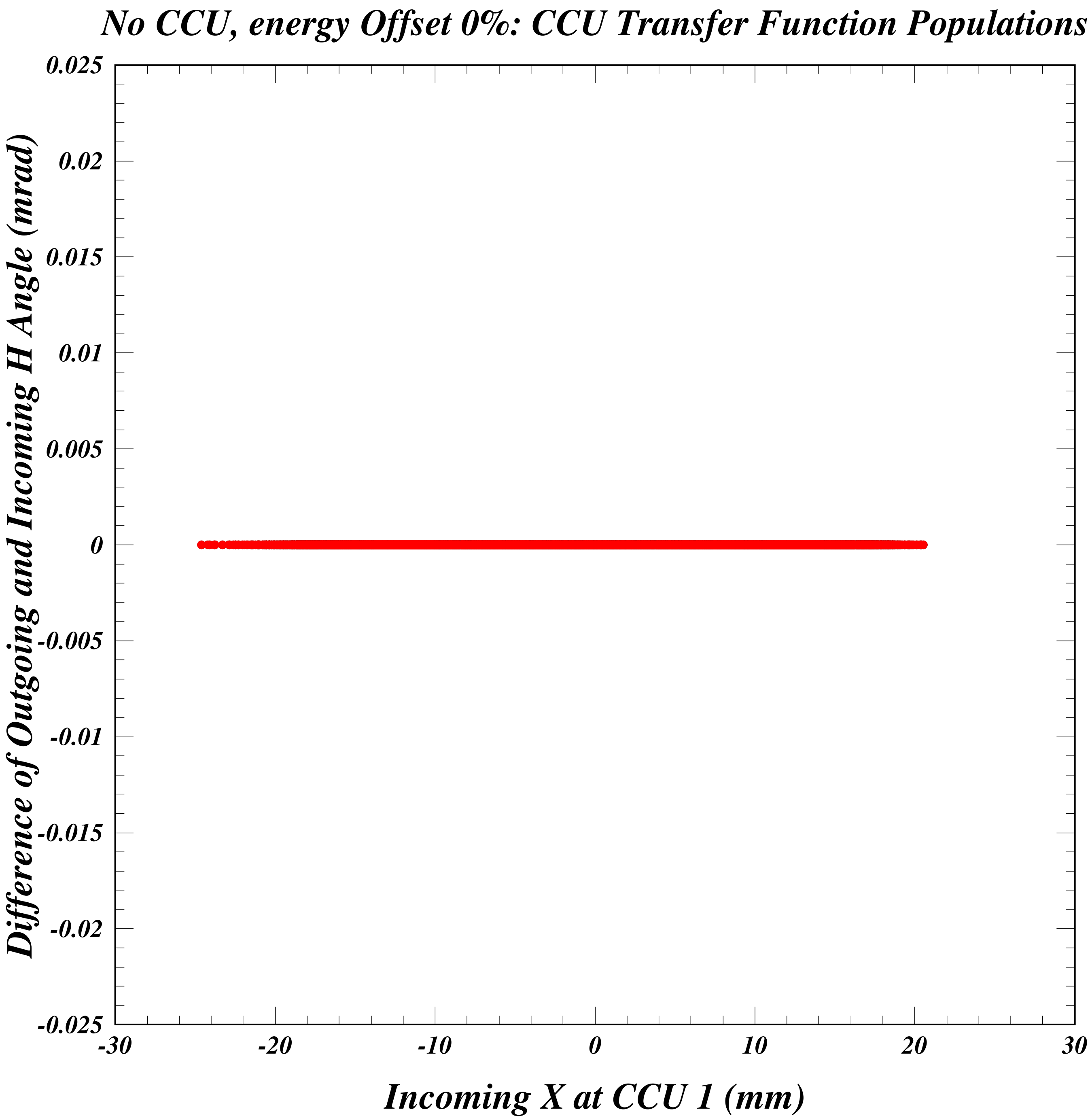
No CCU, energy Offset 0%: CCU Transfer Function Populations



15/03/11 15.16


No CCU, energy Offset 0%: CCU Transfer Function Populations
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.3
-0.2
-0.1
0
0.1
0.2
0.3
Difference of Outgoing and Incoming V Angle (mrad)
Incoming YP at CCU 1 (mrad)


No CCU, energy Offset 0%: CCU Transfer Function Populations
0.025
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
-0.025
-30
-20
-10
0
10
20
30
Difference of Outgoing and Incoming H Angle (mrad)
Incoming X at CCU 1 (mm)

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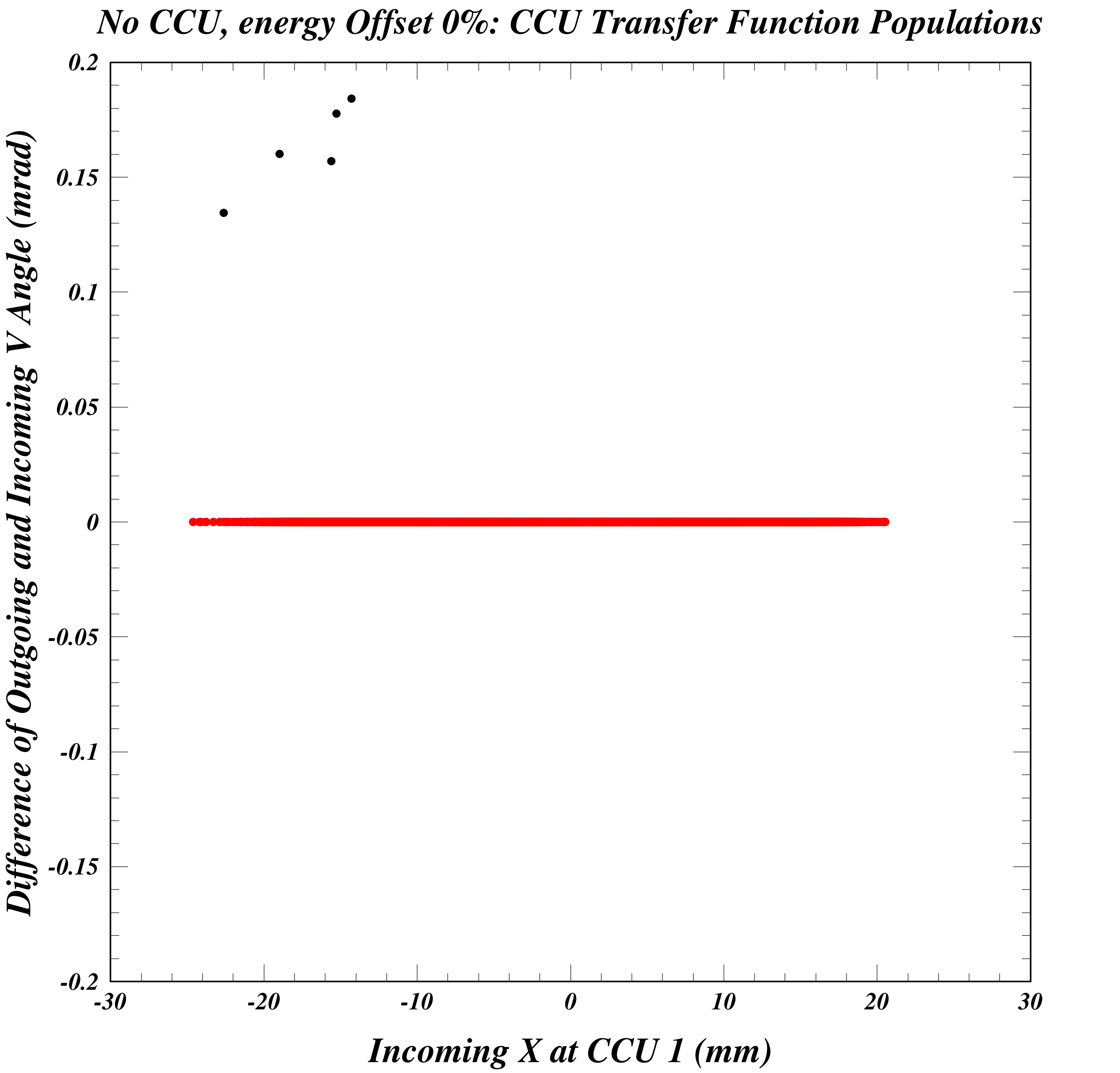
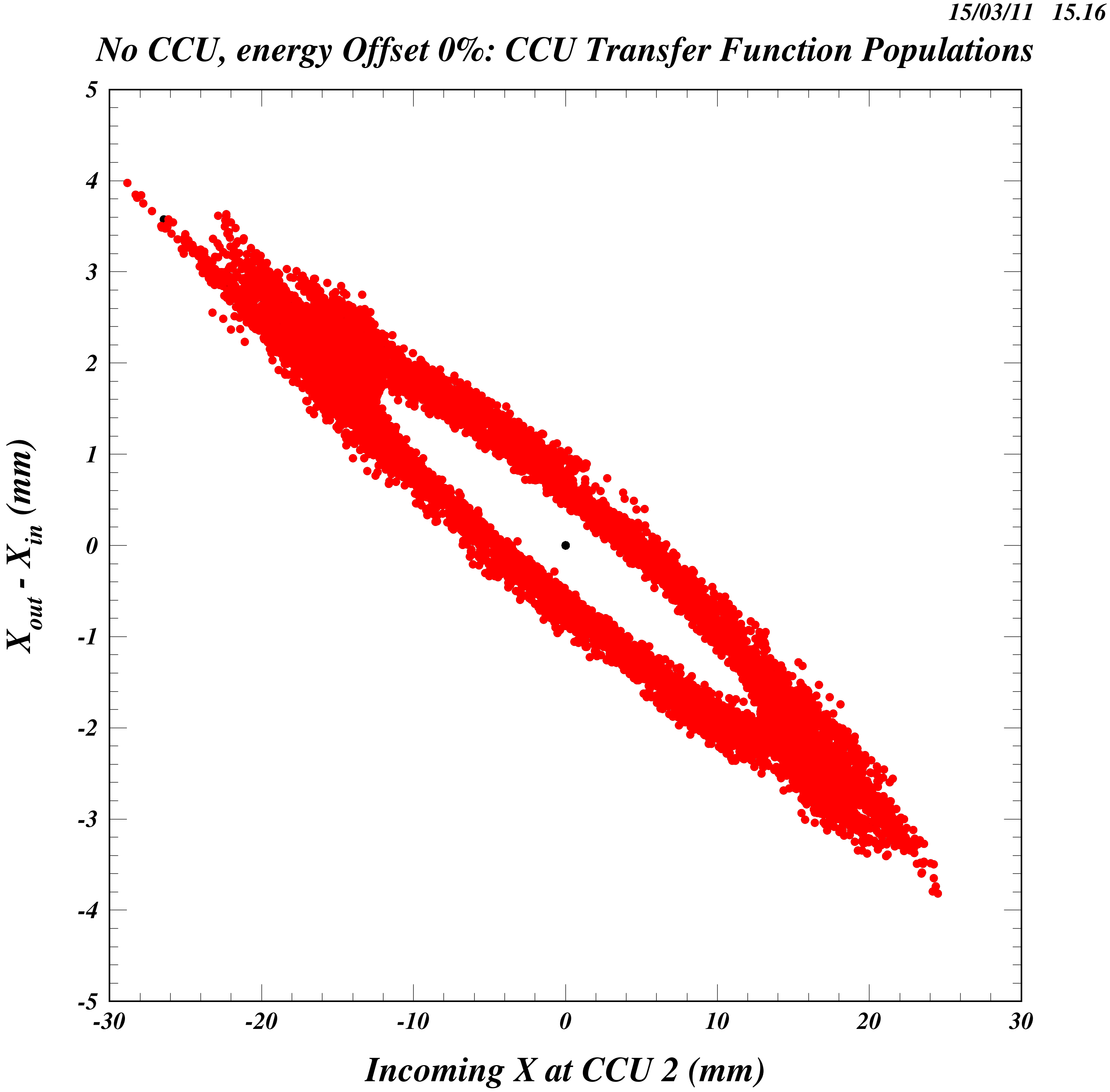
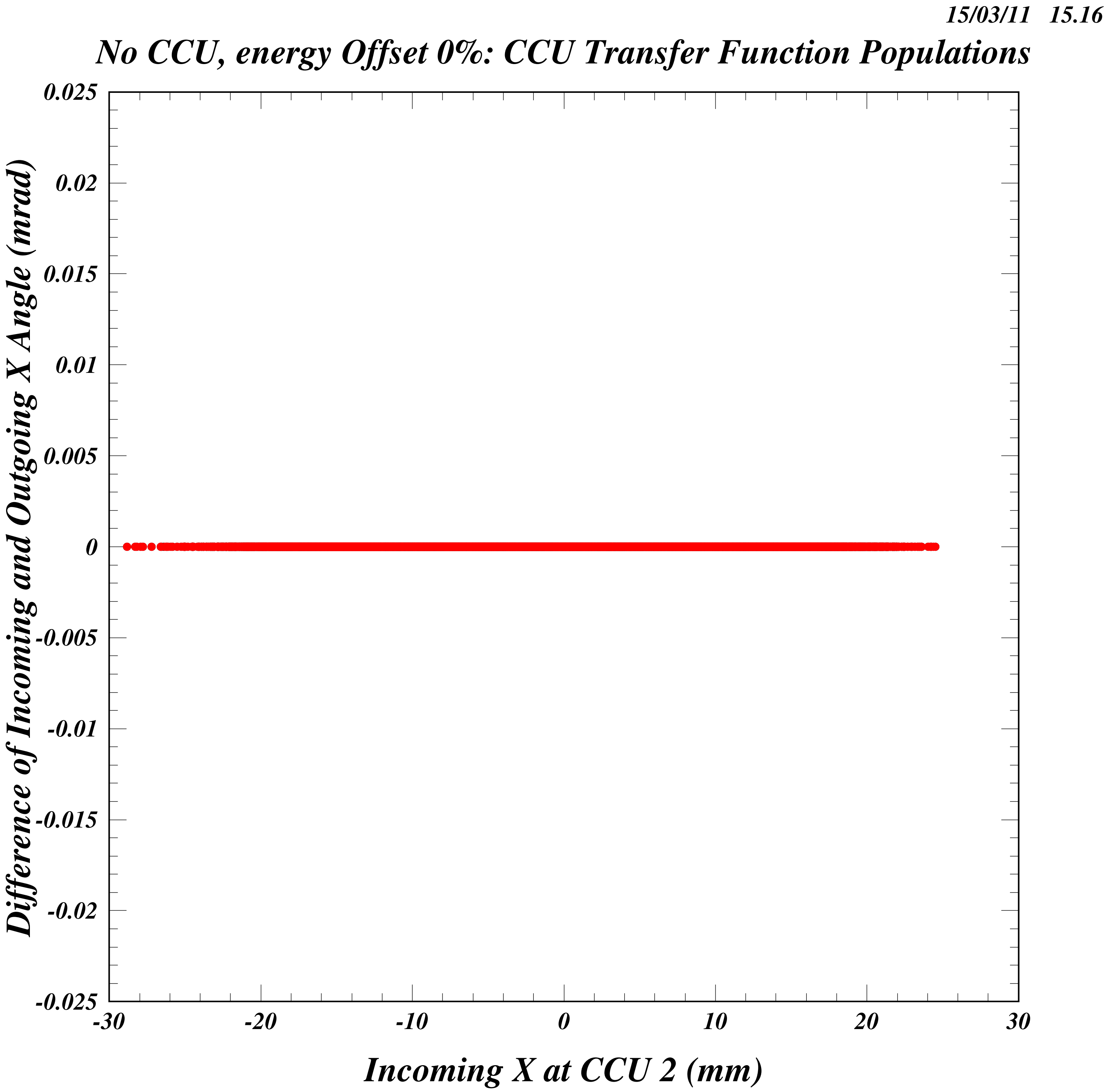
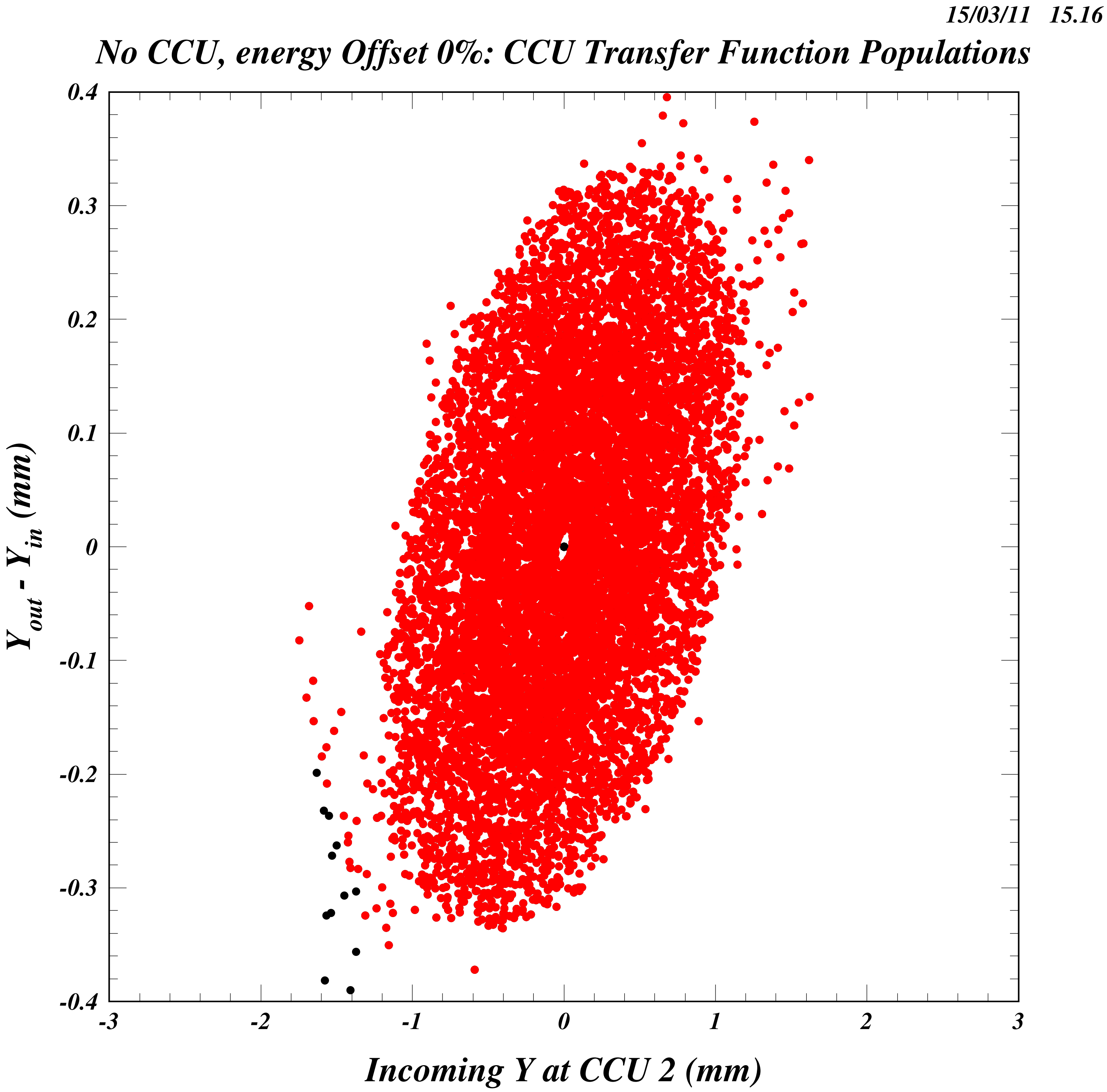
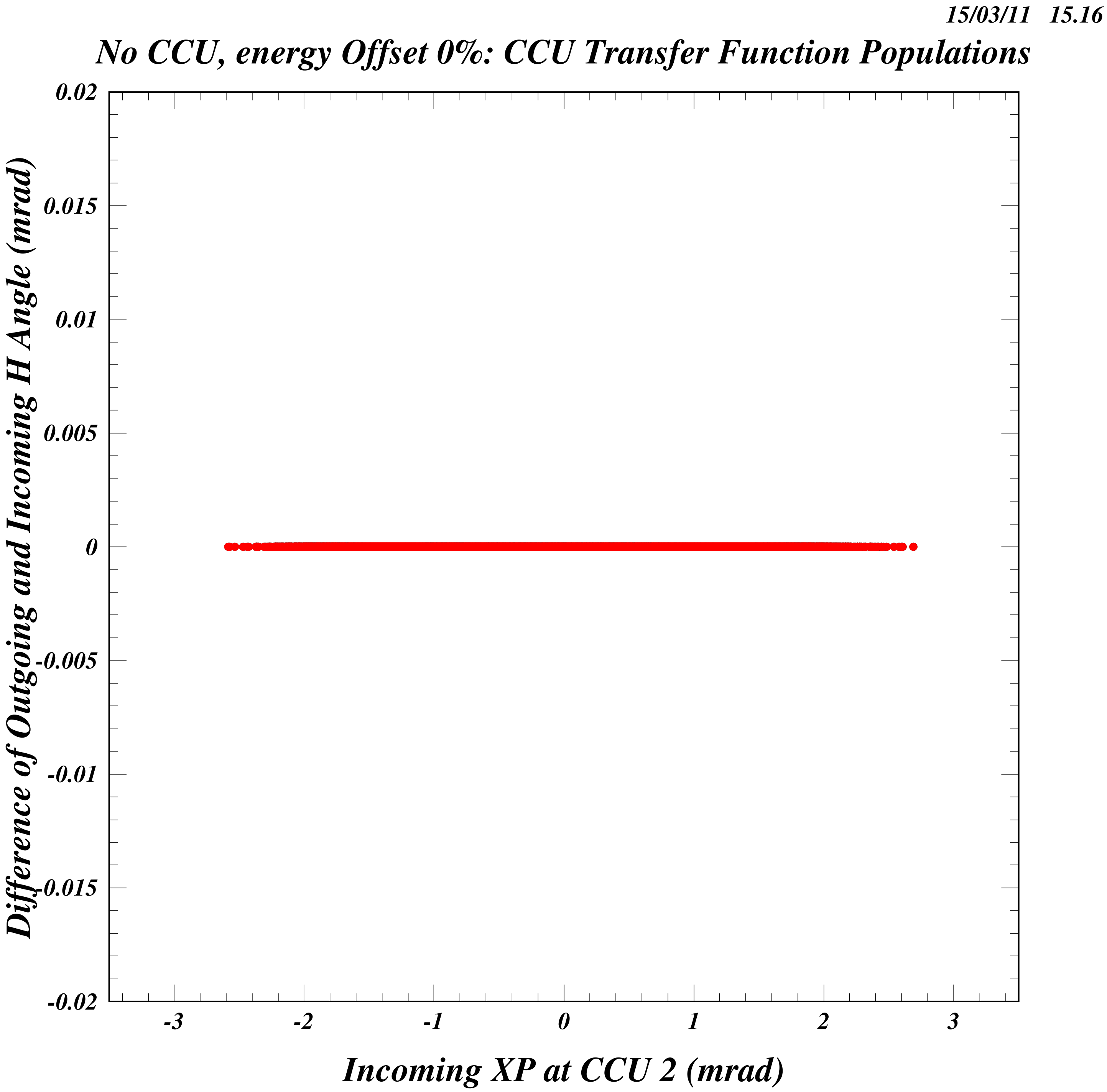

No CCU, energy Offset 0%: CCU Transfer Function Populations
Difference of Outgoing and Incoming V Angle (mrad)
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-30
-20
-10
0
10
20
30
Incoming X at CCU 1 (mm)


15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
5
4
3
2
1
0
-1
-2
-3
-4
-5
-30
-20
-10
0
10
20
30
$X_{out}$ - $X_{in}$ (mm)
Incoming X at CCU 2 (mm)

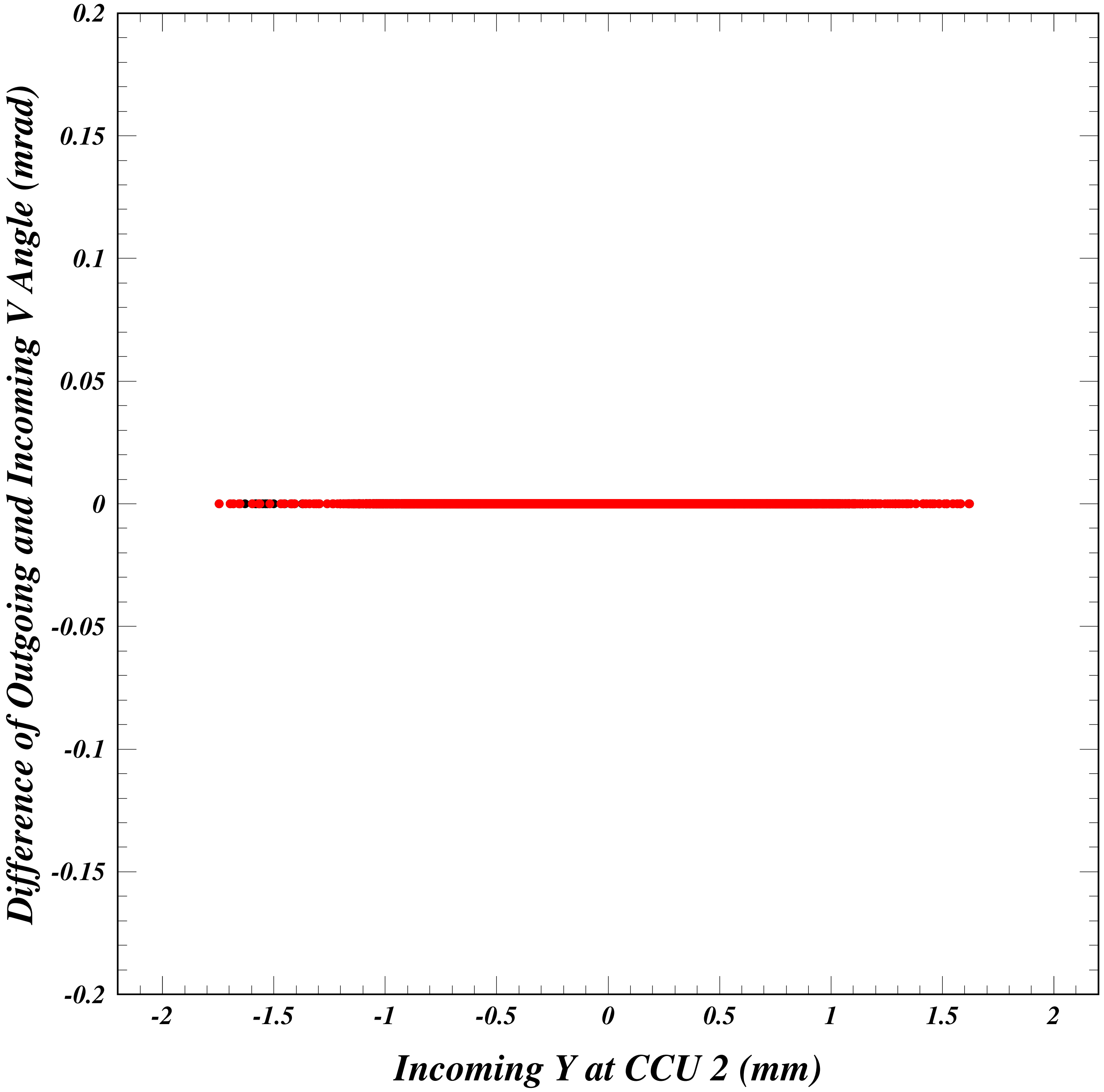

15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
Difference of Incoming and Outgoing X Angle (mrad)
0.025
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
-0.025
-30
-20
-10
0
10
20
30
Incoming X at CCU 2 (mm)


15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-3
-2
-1
0
1
2
3
Y_out - Y_in (mm)
Incoming Y at CCU 2 (mm)

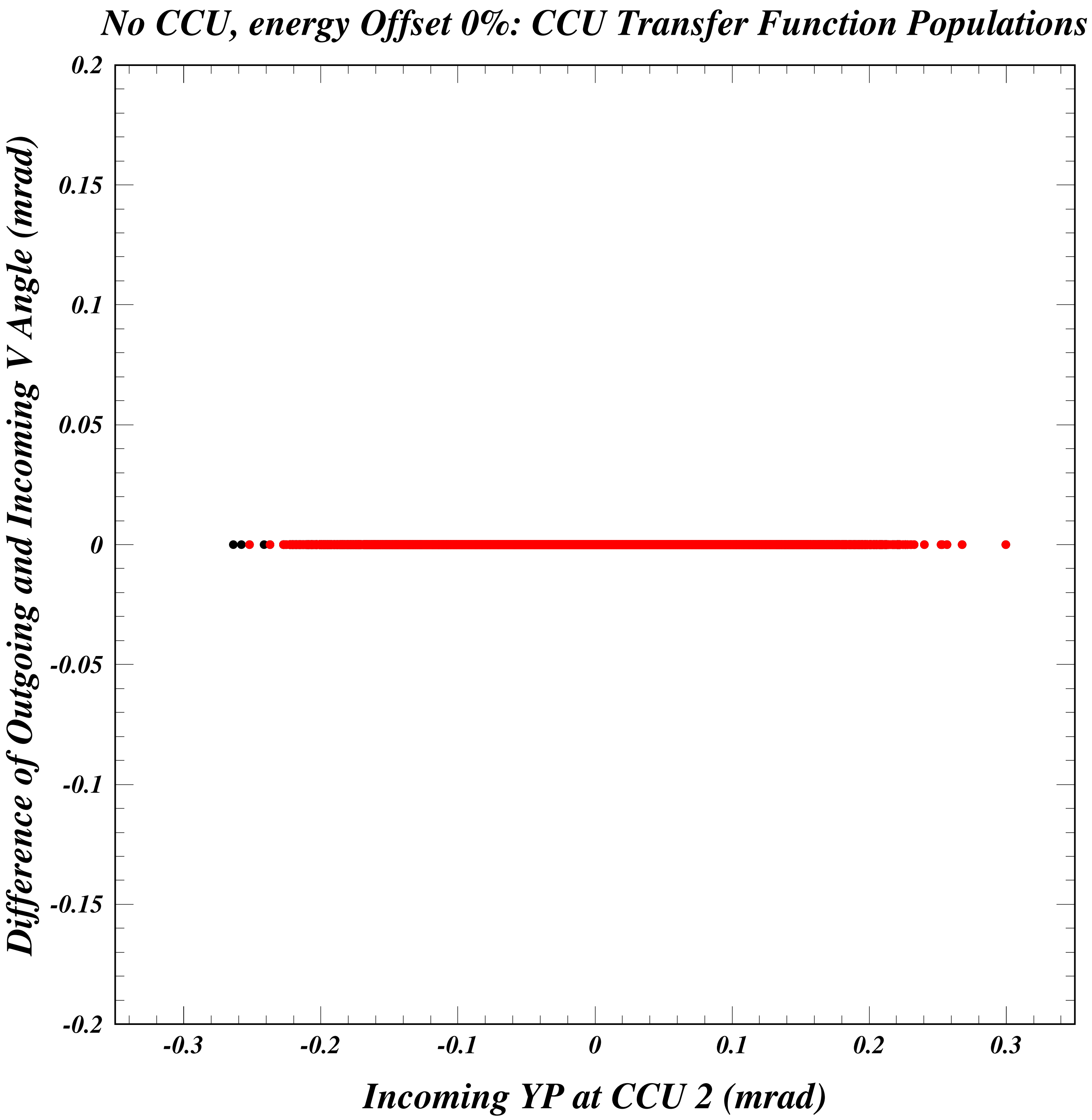

15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
Difference of Outgoing and Incoming H Angle (mrad)
-3
-2
-1
0
1
2
3
Incoming XP at CCU 2 (mrad)

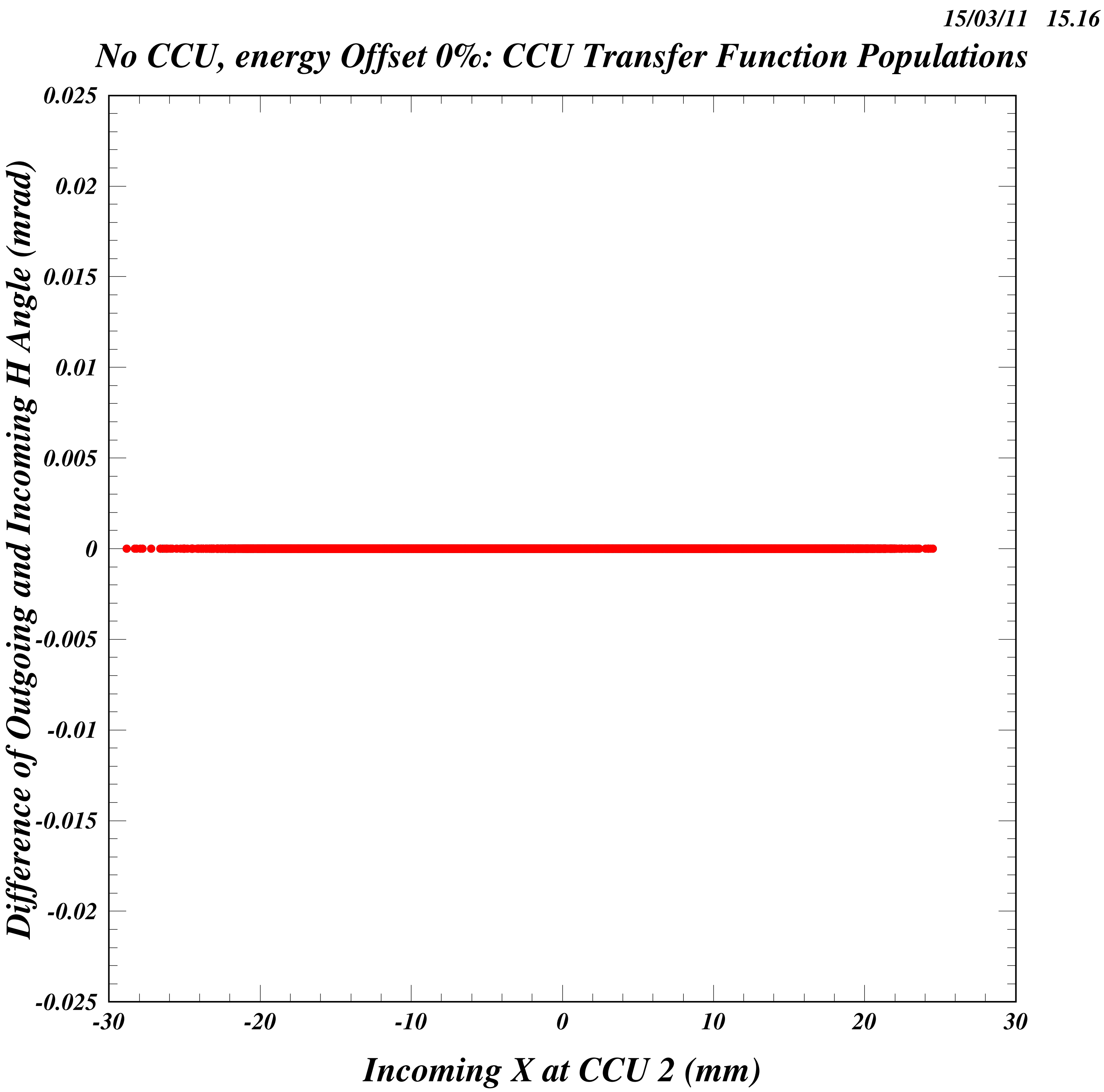
15/03/11 15.16

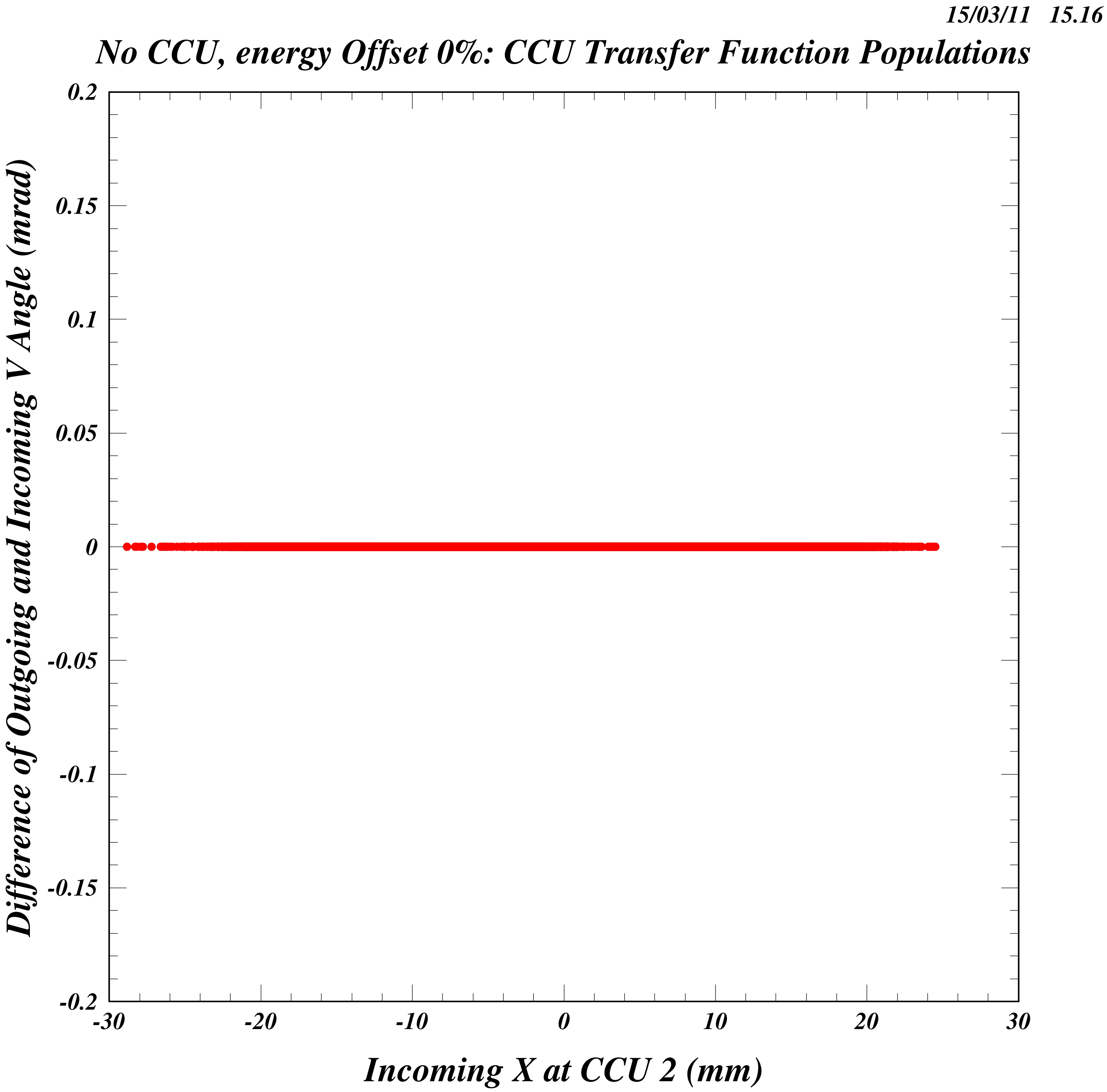
No CCU, energy Offset 0%: CCU Transfer Function Populations



15/03/11 15.16


No CCU, energy Offset 0%: CCU Transfer Function Populations
Difference of Outgoing and Incoming V Angle (mrad)
Incoming YP at CCU 2 (mrad)
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-0.3
-0.2
-0.1
0
0.1
0.2
0.3


15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
Difference of Outgoing and Incoming H Angle (mrad)
0.025
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
-0.025
-30
-20
-10
0
10
20
30
Incoming X at CCU 2 (mm)


15/03/11 15.16
No CCU, energy Offset 0%: CCU Transfer Function Populations
Difference of Outgoing and Incoming V Angle (mrad)
Incoming X at CCU 2 (mm)
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
-30
-20
-10
0
10
20
30