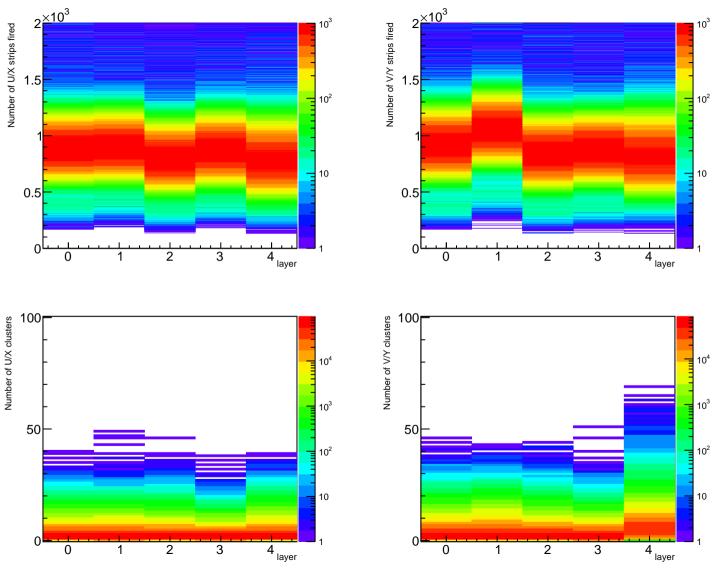
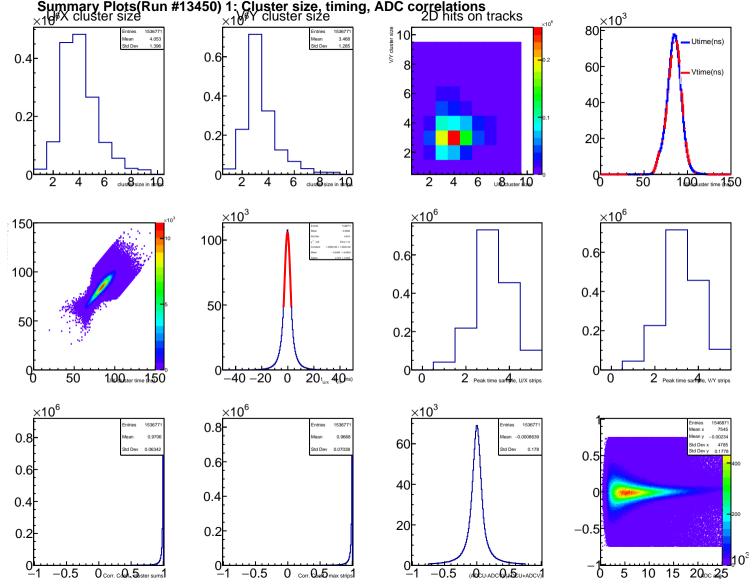
Summary Plots(Run #13450) 0: Strip and cluster multiplicities





Summary Plots(Run #13450) 2: Strip and cluster ADC distributions and correlations $\times 10^3$ $\times 10^3$ 7742 10 10 2U/X max str3 max sample Max strip 400sum (U/X strip1) 510 $\times 10^3$ 912.1 10 10h Std Dev Max strip ADO sum (V/Y strip1)5 10 ADC cl20sum (V/Y stri30 2 V/Y max st 3 max sample 2 $\times 10^3$ Mean y 912.1 529.3 Std Dev x Std Dev x Std Dev y ₹20 10 AD 20 Ster sum (U.3)0 2x strip max3ample (U/A

Summary Plots(Run #13450) 3: Tracking statistics $\times 10^6$ 10⁵ € Entries 351282 Entries Mean 1.004 Mean 4.391 Mean 2.281 10⁵ 0.15 0.068 Std Dev 0.6867 Std Dev 4.92 Std Dev 10^{4} 10^{4} 0.1 10³ 10³ 10² 0.05 10^{2} 10 2 10 20 30 track chi2/ndr 8F Best track ×10³ Entries 349947 Entries 349947 0.07687 Mean Mean -0.08048 0.2705 Std Dev Std Dev 0.07569 0.5 -0.5-0.5**Q**₆**5**_{rack X(z=0)}**1**_m -0.2 -0.2 0.2 _{y(m)} 0 Best 0ac2Y(z=0), m 0 0 Best track $\times 10^3$ $\times 10^3$ dx/dz Entries 349947 Entries 0.03877 -0.01594 Mean Mean Std Dev 0.07927 Std Dev 0.02648 0.2 -0.2-0.050.05 track dy 0.1 0.05 0.2st track dx0z 4 -0.05dy. 02. 1 0

Summary Plots(Run #13450) 4: Tracking residuals (inclusive)
All hits ×10⁶ 0.15 <u>×10</u>⁻³ <u>×10⁻³</u> Track u/x incl. residuals (m) Track u/x incl. residuals (m) 0.0001707 3987 / 6 0. 0.05 _1 0 1 2 Track u/x incl. residuals (m) 3 4 layer 2 6 module All hits <u>×10</u>⁶ Track v/y incl. residuals (m) Track v/y incl. residuals (m) 0.15 0. 0.05 2 _1 0 2 3 4 layer 6

module

Summary Plots(Run #13450) 5: Tracking residuals (exclusive)
All hits 60×10³ <u>×10</u>⁻³ ×10⁻³ Track u/x excl. residuals (m) Track u/x excl. residuals (m) 220 6 (5) 40 20 3 2 6 0 1 2 Track u/x excl. residuals (m) 2 4 layer 0 4 0 module All hits ×10⁻³ ×10⁻³ ×10³ Track v/y excl. residuals (m) Track v/y excl. residuals (m) 60 438.9 / 16 40 20

3

4 layer

2

0

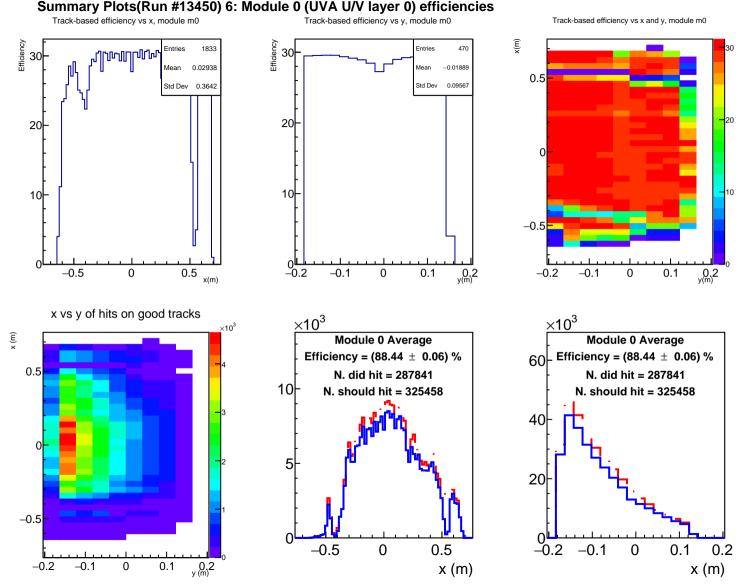
2

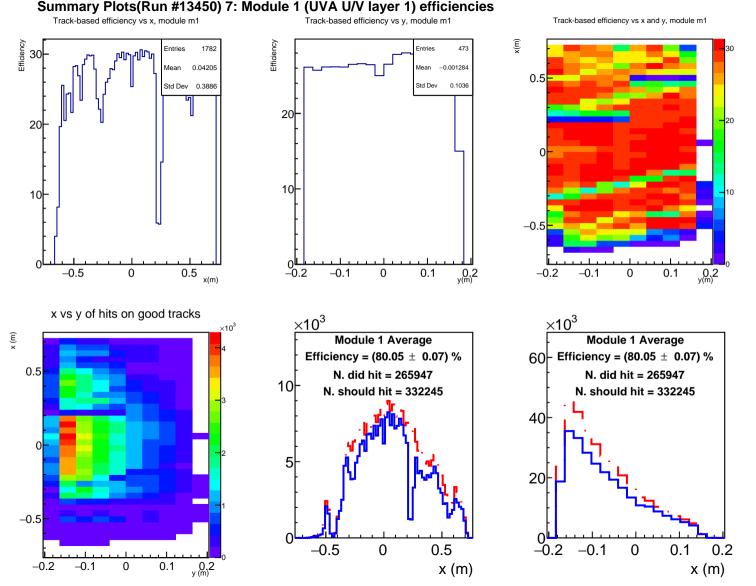
6

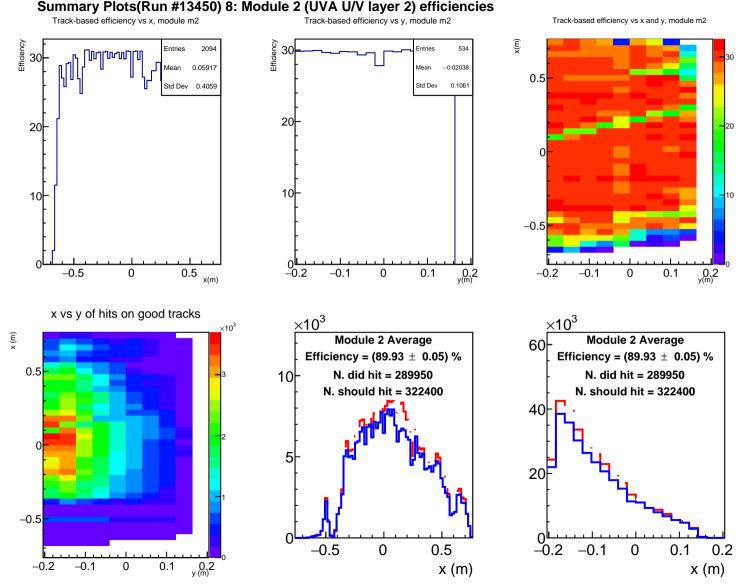
module

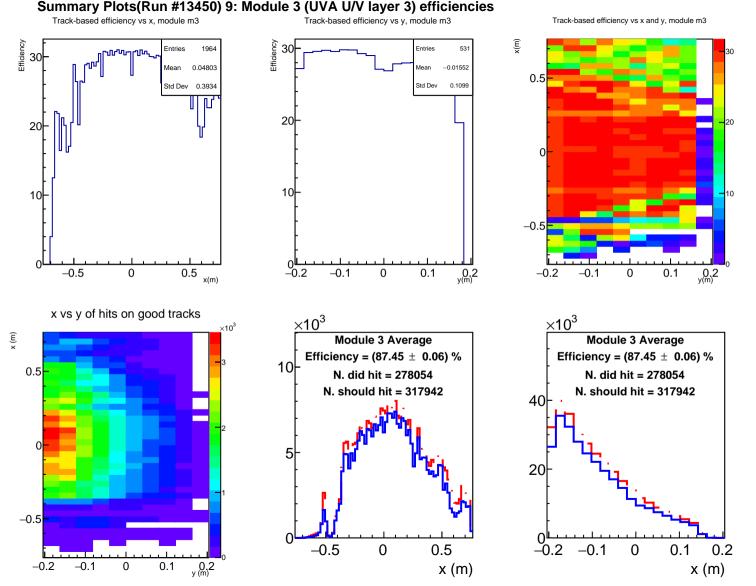
-2

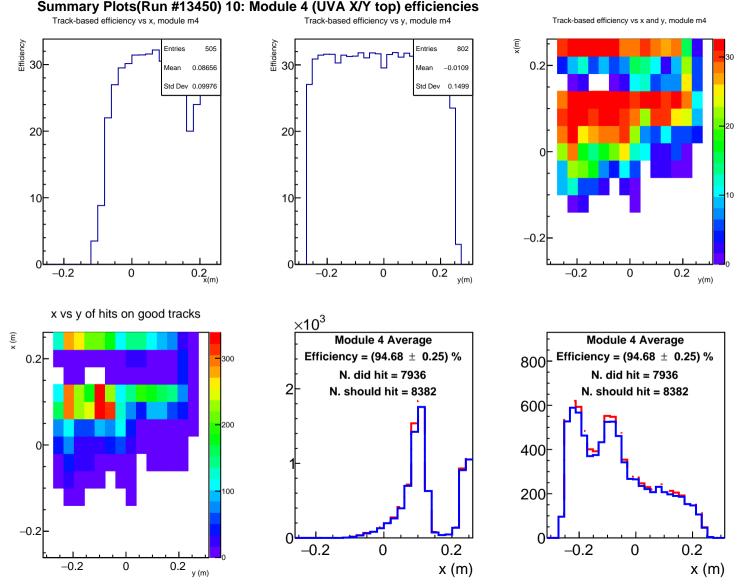
0 1 2 Track v/y excl. residuals (m)

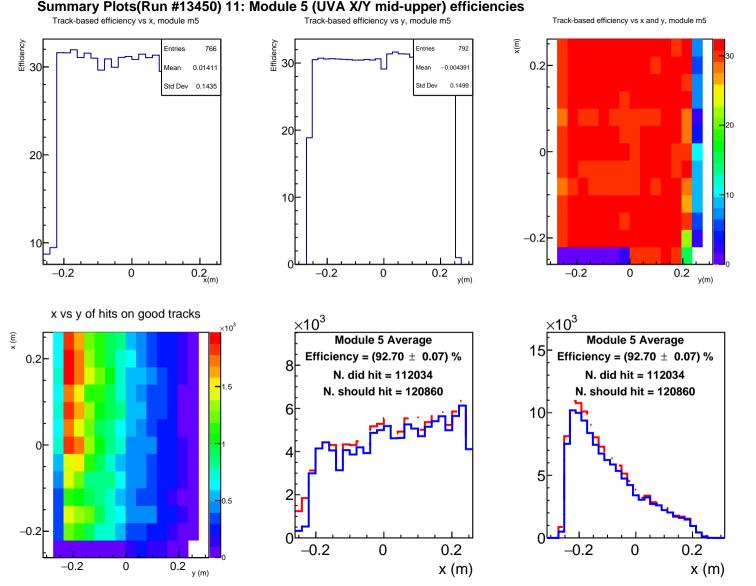


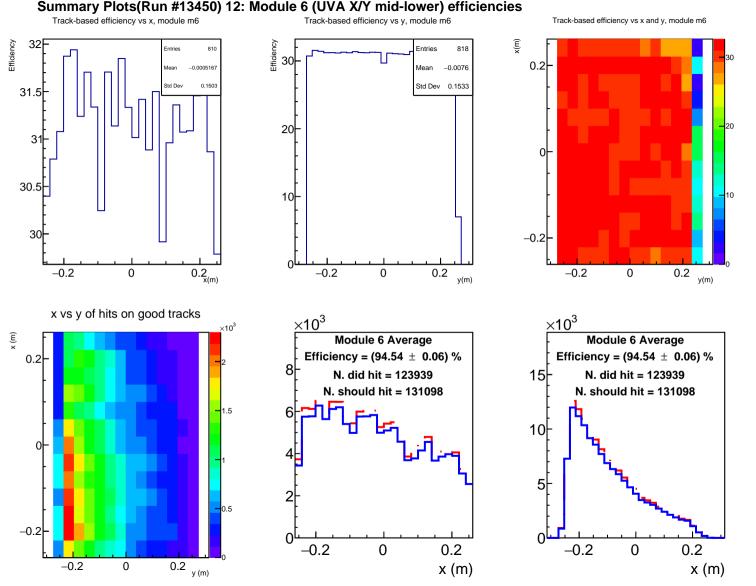


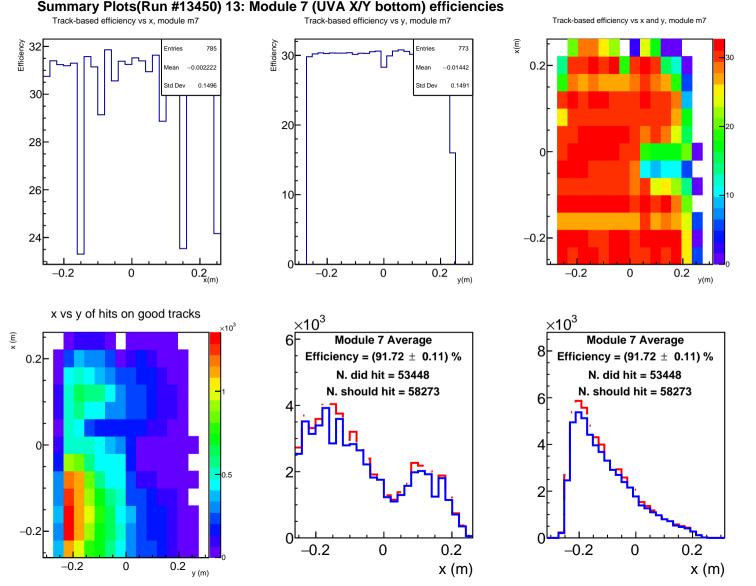












Summary Plots(Run #13450) 14: Layer 0 efficiencies track-based efficiency vs x, y track-based efficiency vs x (m), averaged over y track-based efficiency vs y (m), averaged over x Ê <u> Դիև ԹԱՄՈՐԱ</u>ՄԱ 30 Entries 30 0.03213 -0.02002 0.09865 Std Dev 0.3662 Std Dev 20 20 10 10 -0.50.2 -0.2 0.5 -0.1 0.1 0.1 -0.5-0.10 0 -0.20 x(m) x vs y of hits on good tracks (m) <u>×10</u>³ $\times 10^3$ ×10³ Œ, Layer 0 Average Layer 0 Average 60 - Efficiency = (88.44 \pm 0.06) % Efficiency = (88.44 \pm 0.06) % 0.5 N. did hit = 287841 N. did hit = 287841 10 N. should hit = 325458 N. should hit = 325458 40 5 20 -0.50.5 -0.50 -0.2 -0.10 0.1 0.2 -0.2-0.10.1 x(m) y(m)

Summary Plots(Run #13450) 15: Layer 1 efficiencies track-based efficiency vs x, y track-based efficiency vs x (m), averaged over y track-based efficiency vs y (m), averaged over x efficiency Ê efficiency Entries Entries 1774 30 Mean 0.03486 Mean -0.01821 0.3884 Std Dev 0.1044 Std Dev 20 20 10 10 -0.5 _0.2 -0.1 0.1 -0.2 -0.1 -0.50.5 0.1 0 0 0 y(m) y(m) x vs y of hits on good tracks (m) <u>×10</u>³ $\times 10^3$ ×10³ Œ, Layer 1 Average Layer 1 Average Efficiency = (80.05 \pm 0.07) % Efficiency = (80.05 \pm 0.07) % 0.5 N. did hit = 265947 N. did hit = 265947 10 N. should hit = 332245 N. should hit = 332245 40 5 20 -0.5 -0.50.5 -0.2 0.1 0 -0.10 -0.2-0.10.1 x(m) y(m) y(m)

track-based efficiency vs x, y track-based efficiency vs x (m), averaged over y track-based efficiency vs y (m), averaged over x Œ, Entries 2077 Entries [Մորտոյիդ 0.0498 -0.01775 0.5 0.4053 Std Dev 0.1103 20 20 10 10 -0.5-0.1 -0.50.5 -0.2 0.1 -0.10.1 0 0 0 x(m) x vs y of hits on good tracks (m) <u>×10</u>³ $\times 10^3$ ×10³ Ē 60F Layer 2 Average Layer 2 Average Efficiency = (89.93 \pm 0.05) % Efficiency = (89.93 \pm 0.05) % 0.5 N. did hit = 289950 N. did hit = 289950 10 N. should hit = 322400 N. should hit = 322400 40 0 5 -0.5 0.5 0.1 0.2 -0.50 -0.2 -0.10 -0.2-0.10.1 x(m) y(m)

Summary Plots(Run #13450) 16: Layer 2 efficiencies

track-based efficiency vs x, y track-based efficiency vs x (m), averaged over y track-based efficiency vs y (m), averaged over x Ê 30 Entries Entries 30 0.03893 -0.01657 0.5 Std Dev 0.3916 Std Dev 0.1114 20 10 10 -0.5 -0.1 -0.50.5 -0.2 0.1 -0.2-0.10.1 0 0 x(m) x vs y of hits on good tracks (m) $\times 10^3$ $\times 10^3$ ×10³ Œ, Layer 3 Average Layer 3 Average Efficiency = (87.45 \pm 0.06) % Efficiency = (87.45 \pm 0.06) % 10 0.5 N. did hit = 278054 N. did hit = 278054 N. should hit = 317942 N. should hit = 317942 40⊦⊓ 5 20 -0.5-0.50.5 0.2 0 -0.2 -0.10 0.1 -0.2-0.10.1 x(m) y(m)

Summary Plots(Run #13450) 17: Layer 3 efficiencies

Summary Plots(Run #13450) 18: Layer 4 efficiencies track-based efficiency vs x, y track-based efficiency vs x (m), averaged over y track-based efficiency vs y (m), averaged over x Ē Entries Entries 30 Mean 0.09757 Mean -0.0136 Std Dev 0.5383 Std Dev 0.1586 0.5 20 20 10 10 -0.50.5 -0.2 0.2 0.2 -0.50 -0.20 0 x vs y of hits on good tracks (m) $\times 10^3$ $\times 10^3$ ×10³ Layer 4 Average Layer 4 Average Efficiency = (93.33 \pm 0.04) % Efficiency = (93.33 \pm 0.04) % N. did hit = 297357 N. did hit = 297357 0.5 N. should hit = 318613 N. should hit = 318613 30 20 10 -0.5 -0.5 0.5 -0.20.2 0 0 0.2 -0.2x(m) y(m) y(m)

Summary Plots(Run #13450) 19: Module average efficiencies

