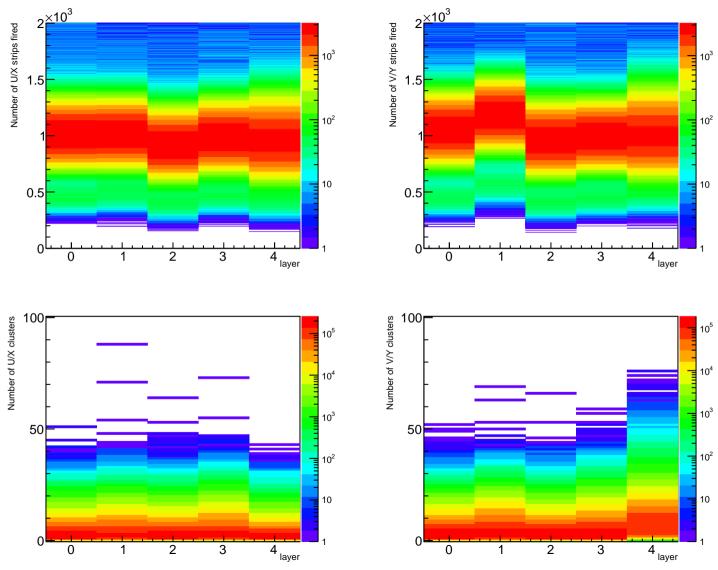
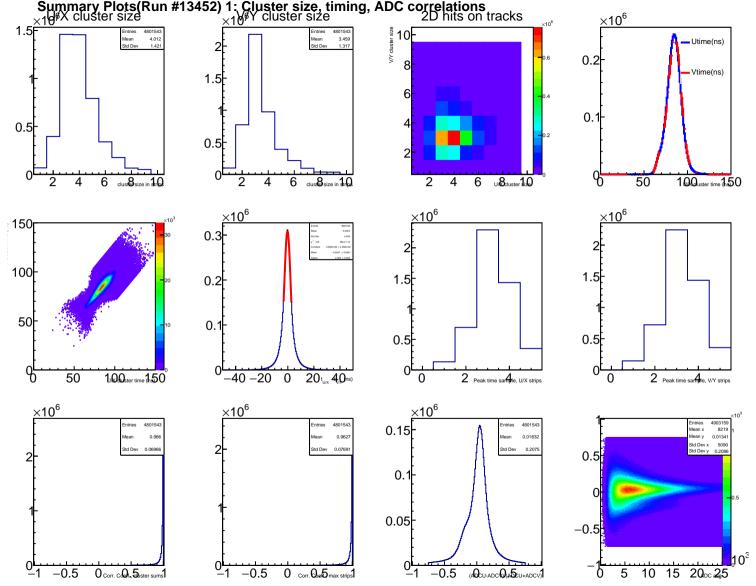
Summary Plots(Run #13452) 0: Strip and cluster multiplicities





Summary Plots(Run #13452) 2: Strip and cluster ADC distributions and correlations $\times 10^3$ $\times 10^3$ $\times 10^3$ $\times 10^3$ 30 927.9 8596 10 30 20 20 10 10 ADC cl20sum (U/X stri30 2U/X max str3 max sample Max strip 400sum (U/X strip1) 510 10F × 10³ 10l 30 30 1014 8439 Std Dev Std Dev Std Dev Std Dev 20 20 10 10 Max strip ADO sum (V/Y strip1)5 ADC cl20sum (V/Y stri30 2 V/Y max st 3 max sample 2 10 <u>×10</u>³ Mean y 1014 4152 Std Dev x 593.2 Std Dev x § 20 10 2x strip max3ample (U/X4 AD 20 Ster sum (U.3)0

Summary Plots(Run #13452) 3: Tracking statistics $\times 10^6$ 10⁶₽ Entries 1108660 Entries Mean 1.013 Mean 4.384 Mean 2.562 10⁵ 10⁵ Std Dev 0.1242 Std Dev 0.6872 Std Dev 5.452 0.4 10⁴ 10⁴ 10³ 0.2 10² 10³ 10 ₽ 2 10 20 30 track chi2/ndr Best track $\times 10^3$ $\times 10^3$ Entries 1095363 Entries 1095363 0.07093 Mean Mean -0.08042 15 Std Dev 0.2678 Std Dev 0.07506 20 0.5 10 10 -0.5**Q**₆**5**_{rack X(z=0)}**1**_m -0.2 -0.2 0.2 _{y(m)} -0.5 0 Best 0ac2Y(z=0), m 0 0 ×10³ Best track dx/dz Entries 1095363 Entries 20 0.03698 -0.01593 Mean Mean Std Dev 0.07858 Std Dev 0.02627 0.2 15 15 400 10 10 -0.20.05 0.2st track dx0z 4 -0.050.05 track dy 0.1 -0.05dy. 02. 1 0

Summary Plots(Run #13452) 4: Tracking residuals (inclusive)
All hits ×10⁶ <u>×10</u>⁻³ <u>×10⁻³</u> ×10⁶ 0.2 Track u/x incl. residuals (m) Track u/x incl. residuals (m) -1.634e-07 0.0001803 1.44e+04 / 7 0.4 0.15 0.3 0.2 0.05 0. _1 0 1 2 Track u/x incl. residuals (m) 3 4 layer 2 6 module All hits <u>×10</u>⁻³ <u>×10</u>⁻³ ×10⁶ Track v/y incl. residuals (m) Frack v/y incl. residuals (m) 0.4 0.15 0.3 0.2 0.05 0. 2 _1 0 1 2 Track v/y incl. residuals (m) 0 2 3 4 layer 6

module

Summary Plots(Run #13452) 5: Tracking residuals (exclusive)
All hits ×10⁶ ×10⁻³ ×10⁻³ Track u/x excl. residuals (m) Track u/x excl. residuals (m) 0.15 0.1 0.05 -2 3 2 6 0 1 2 Track u/x excl. residuals (m) 2 4 layer 0 0 4 module All hits ×10⁻³ ×10⁻³ ×10⁶ Track v/y excl. residuals (m) Track v/y excl. residuals (m) 0.15 0. 0.05

3

4 layer

2

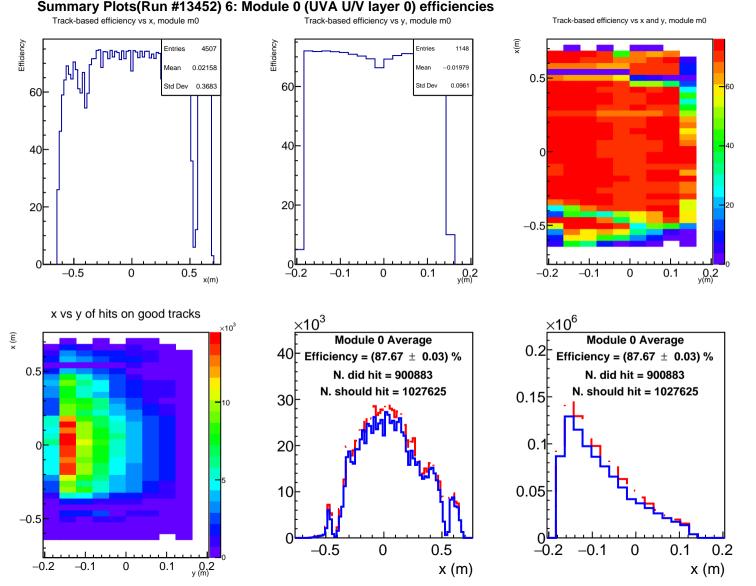
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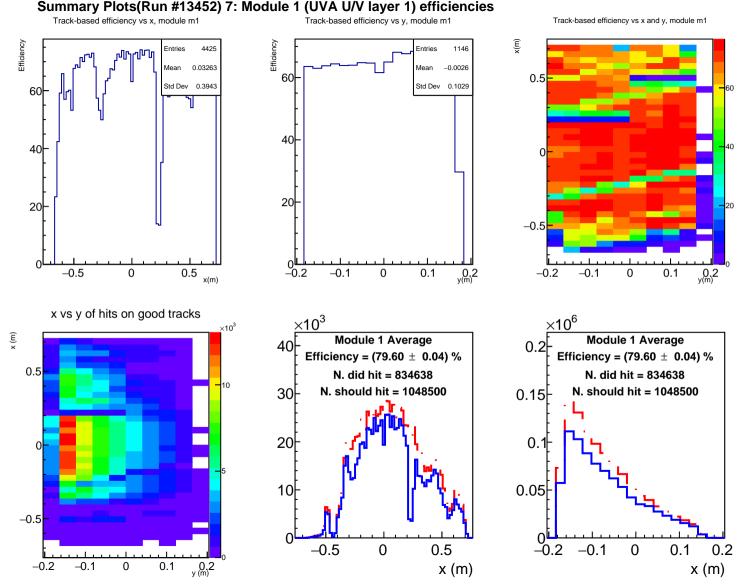
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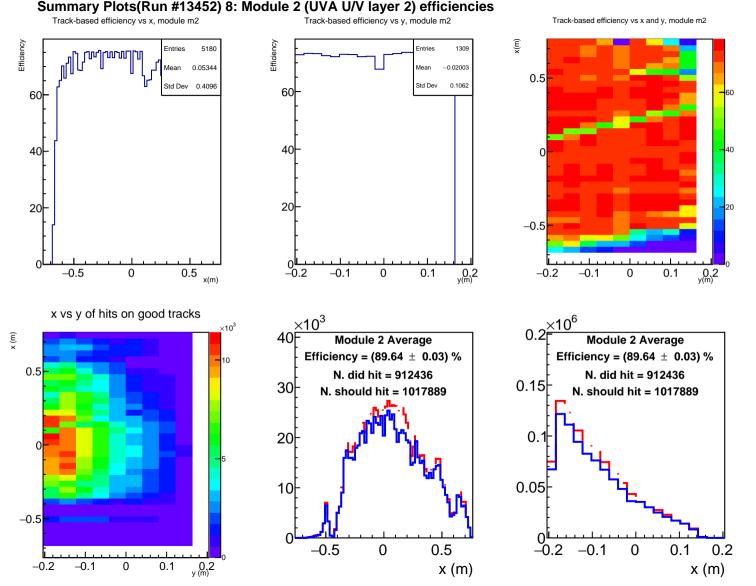
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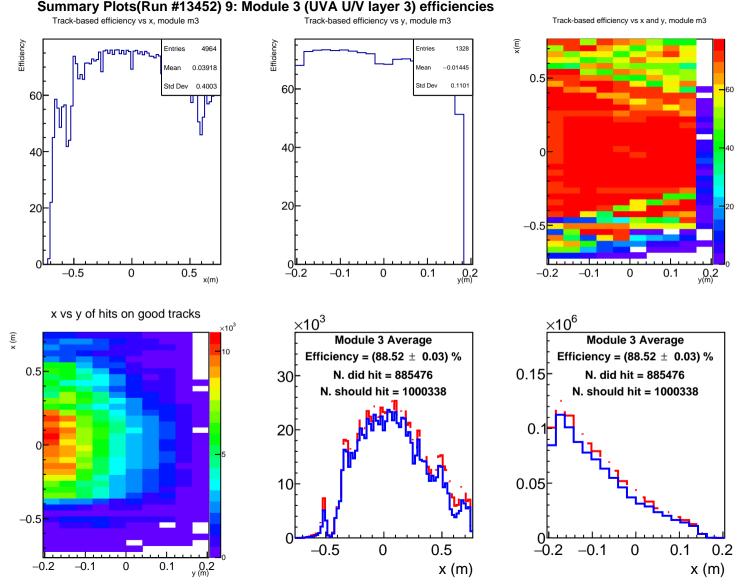
6

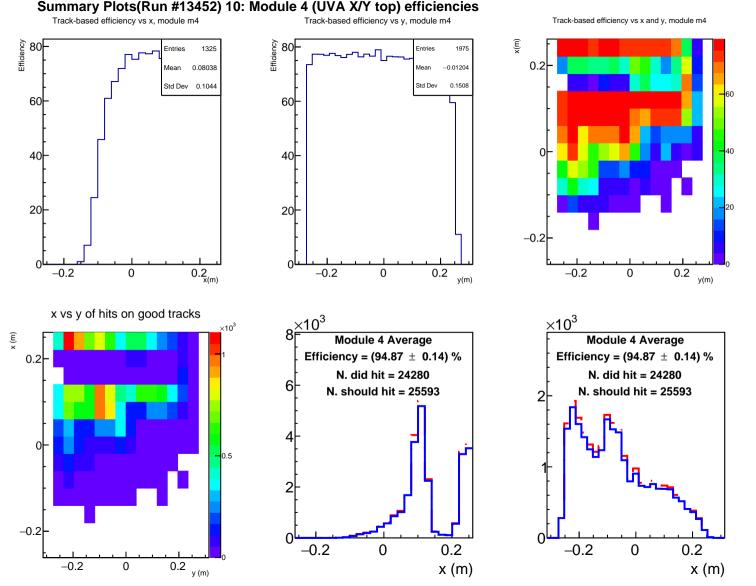
module

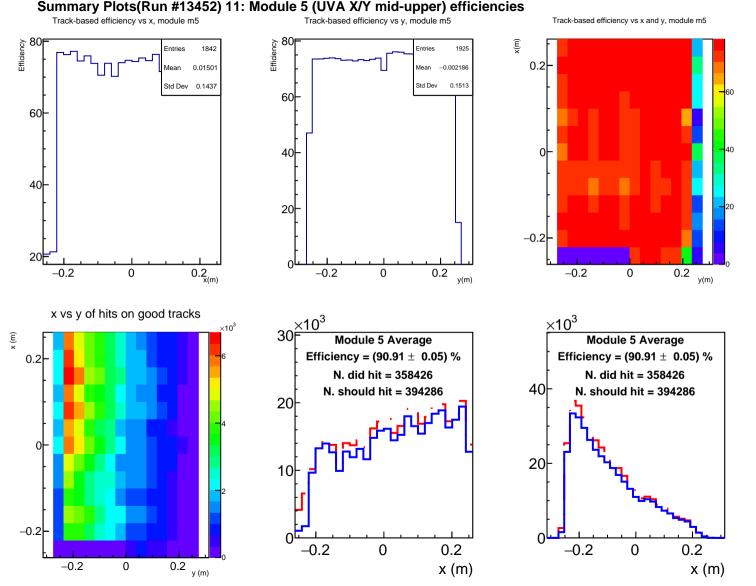


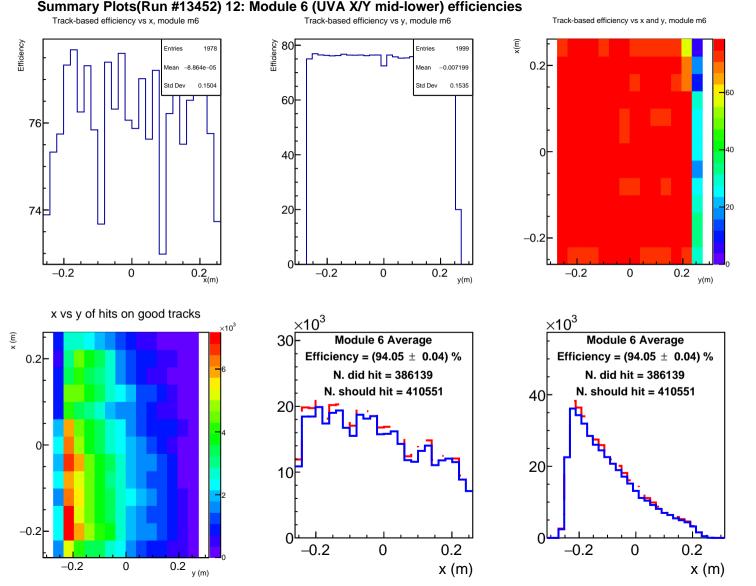


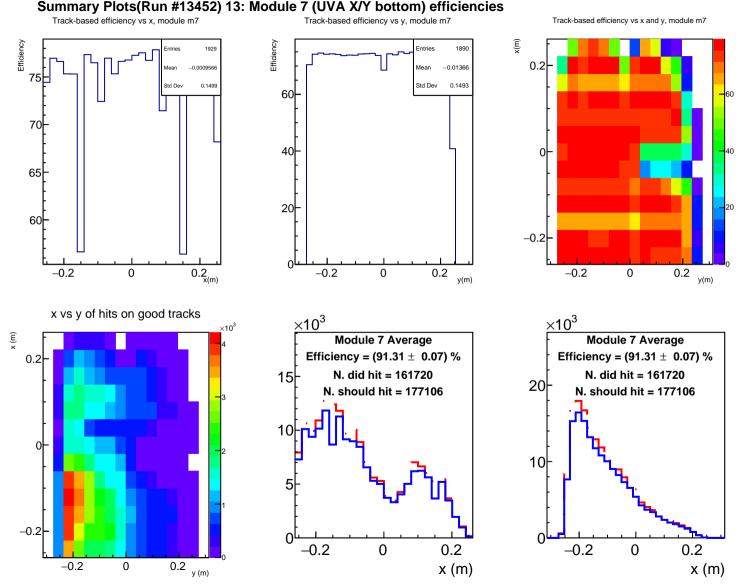












track-based efficiency vs x, y track-based efficiency vs x (m), averaged over y track-based efficiency vs y (m), averaged over x efficiency Ê efficiency Entries <u> ԴիլԻսլԻսԼ,սԻստո</u> 0.02599 -0.02016 60 Std Dev 0.3708 Std Dev 0.09861 60 40 40 20 20 -0.5 0.2 -0.2 0.5 -0.1 0.1 -0.50.1 -0.10 0 0 x(m) x vs y of hits on good tracks (m) $\times 10^3$ ×10⁶ ×10³ Ē Layer 0 Average Layer 0 Average 40 Efficiency = (87.67 \pm 0.03) % Efficiency = (87.67 \pm 0.03) % 0.5 N. did hit = 900883 N. did hit = 900883 N. should hit = 1027625 N. should hit = 1027625 0.15 30 0.1 20 0.05 10 -0.5-0.50 0.5 -0.2-0.10 0.1 0.2 -0.2-0.10.1 x(m) y(m)

Summary Plots(Run #13452) 14: Layer 0 efficiencies

Summary Plots(Run #13452) 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 Ê efficiency efficiency Entries 4391 Entries 0.02826 -0.01834 60 Std Dev 0.3936 Std Dev 0.1044 60 40 40 20 20 -0.5 _0.2 -0.1 0.1 -0.1 -0.50.5 -0.2 0.1 0 0 y(m) y(m) x vs y of hits on good tracks (m) <u>×1</u>0³ $\times 10^6$ ×10³ Layer 1 Average Layer 1 Average 40 Efficiency = (79.60 \pm 0.04) % Efficiency = (79.60 \pm 0.04) % 0.5 N. did hit = 834638 N. did hit = 834638 10 0.15 N. should hit = 1048500 N. should hit = 1048500 30 0. 20 0.05 10 -0.5-0.50.5 0.1 0 -0.2 -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 efficiency efficiency Ê Entries 5149 Entries ալույնյույոկու 0.04281 -0.01716 0.5 0.4097 Std Dev 0.1105 Std Dev 60 60 40 20 20 -0.5 0LL -0.2 -0.1 -0.50.5 0.1 -0.2 -0.10.1 0 0 0 x(m) x vs y of hits on good tracks (m) $\times 10^3$ $\times 10^6$ ×10³ Ē Layer 2 Average Layer 2 Average Efficiency = (89.64 \pm 0.03) % Efficiency = (89.64 \pm 0.03) % 10 0.5 N. did hit = 912436 N. did hit = 912436 0.15 30 N. should hit = 1017889 N. should hit = 1017889 0 20 0.05 10 -0.5 0.5 -0.10.1 0.2 -0.50 -0.2 0 -0.10.1 0.2 y(m) x(m) y(m)

Summary Plots(Run #13452) 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 efficiency Ê efficiency Entries Entries 0.02738 -0.01528 0.5 Std Dev 0.3999 Std Dev 0.1119 60 60 40 20 20 -0.5 -0.1 -0.2 -0.50.5 -0.2 0.1 -0.1 0.1 0 0 0 x(m) x vs y of hits on good tracks (m) <u>×10</u>³ $\times 10^6$ ×10³ Œ, Layer 3 Average Layer 3 Average Efficiency = (88.52 \pm 0.03) % Efficiency = (88.52 \pm 0.03) % 0.5 0.15 N. did hit = 885476 N. did hit = 885476 30 N. should hit = 1000338 N. should hit = 1000338 0. 20 0.05 10 -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 #13452) 17: Layer 3 efficiencies

Summary Plots(Run #13452) 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 efficiency efficiency Ē Entries 7029 Entries 0.09097 -0.01313 0.544 Std Dev 0.1591 Std Dev 60 0.5 60 40 -0.520 20 0.5 -0.2 0.2 -0.50 -0.20 0.2 0 30F x vs y of hits on good tracks (m) <u>×10</u>³ ×10³ Layer 4 Average Layer 4 Average Efficiency = (92.36 \pm 0.03) % Efficiency = (92.36 \pm 0.03) % N. did hit = 930565 N. did hit = 930565 N. should hit = 1007536 100 0.5 N. should hit = 1007536 20 50 10 -0.5 -0.50.5 -0.20.2 0 0 -0.20.2 x(m) y(m) y(m)

Summary Plots(Run #13452) 19: Module average efficiencies

