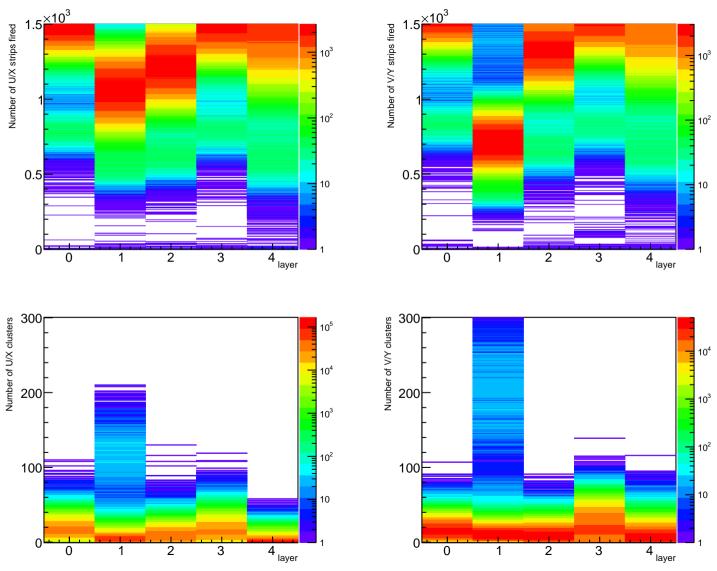
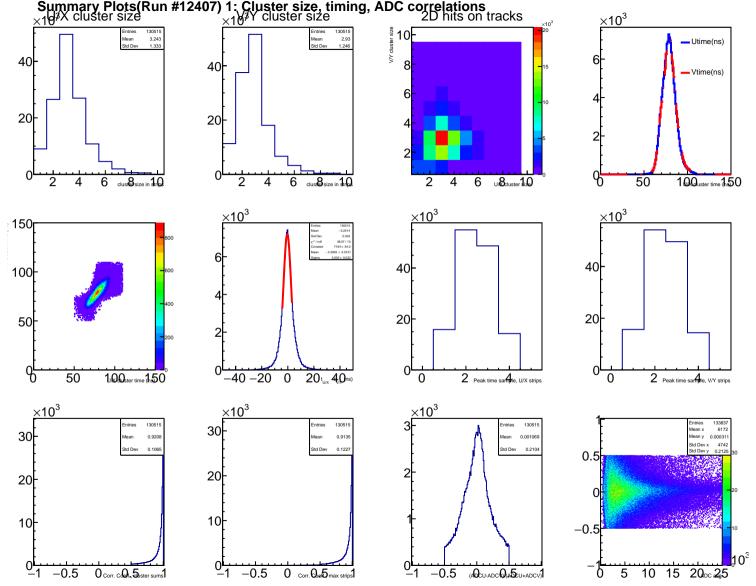
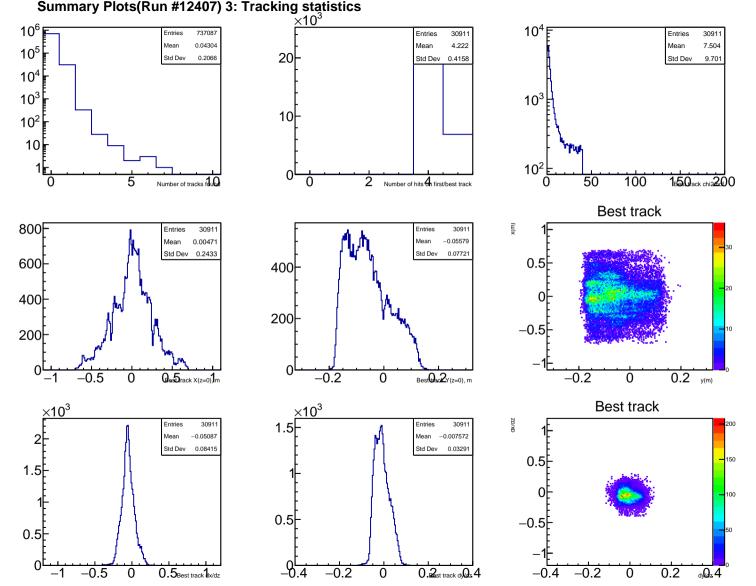
Summary Plots(Run #12407) 0: Strip and cluster multiplicities





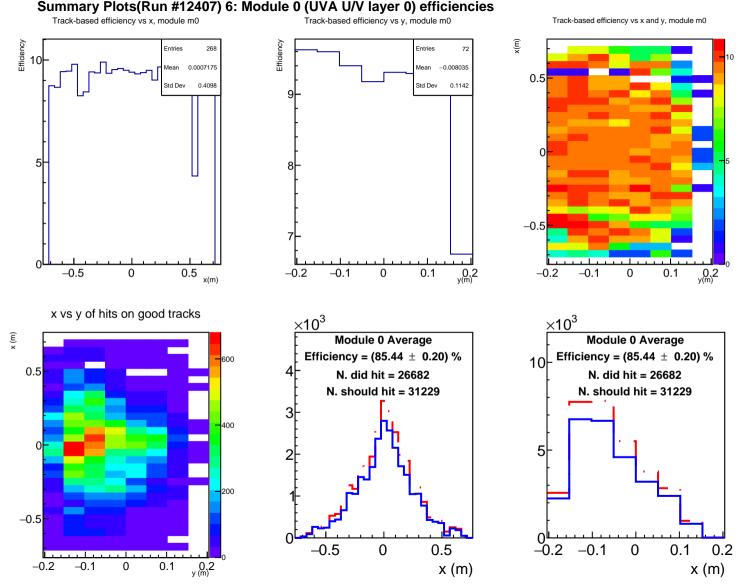
Summary Plots(Run #12407) 2: Strip and cluster ADC distributions and correlations

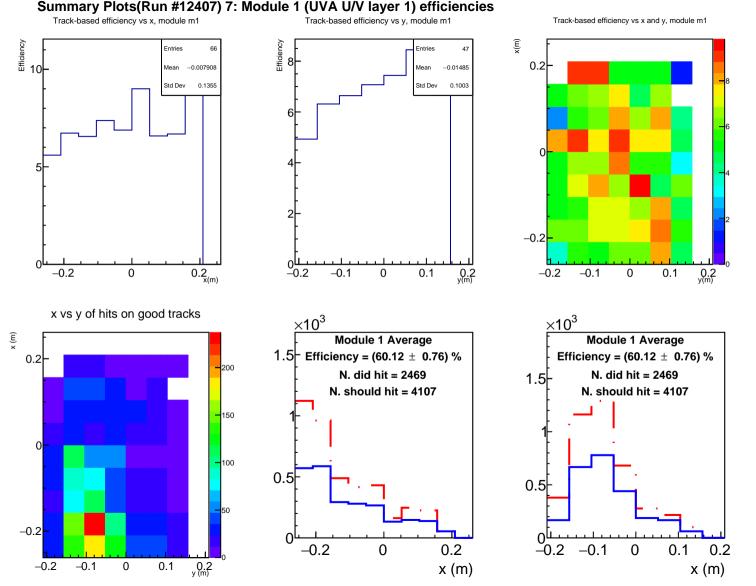
×10³
2, ×10³
×10³
×10³ 400 688.6 3160 6432 Std Dev 1.5 400 300 200 200 0.5 0.5 100 ADC cl20sum (U/X stri30 Max strip 400sum (U/X strip1) 5Max4uster-summ6 U/X samp8 10 $\times 10^3$ 400 1.5 400 Std Dev Std Dev Std Dev 300 300 200 200 0.5 0.5 100 100 10 ADC ci20sum (V/Y stri30 2 V/Y max st3 max samp 5 Max strip ADO sum (V/Y strip1)5 2 Max 4 uster-summ 6 V/Y sampl 8 § 30 × 10 3 3376 754.8 540.1 2365 Std Dev x § 20 10 Max strip ADC 1sQ (U/X) AD 20 Ster sum (U.3)0 2x strip max3ample (U/X4 10

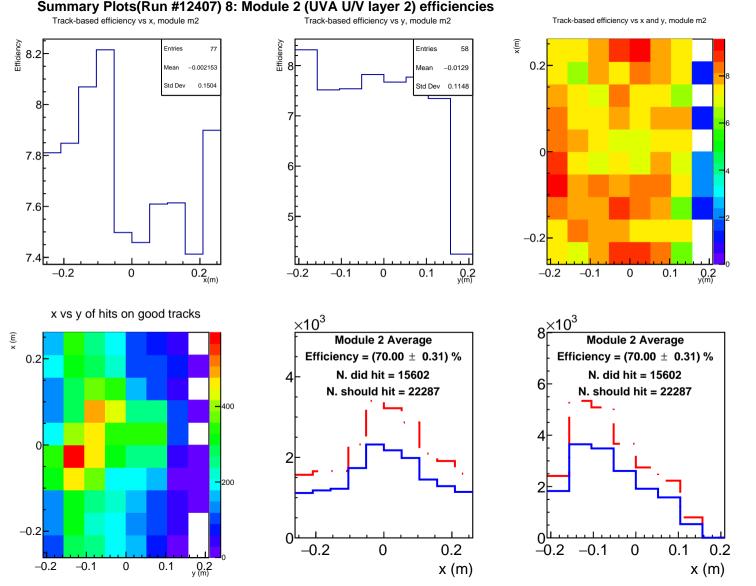


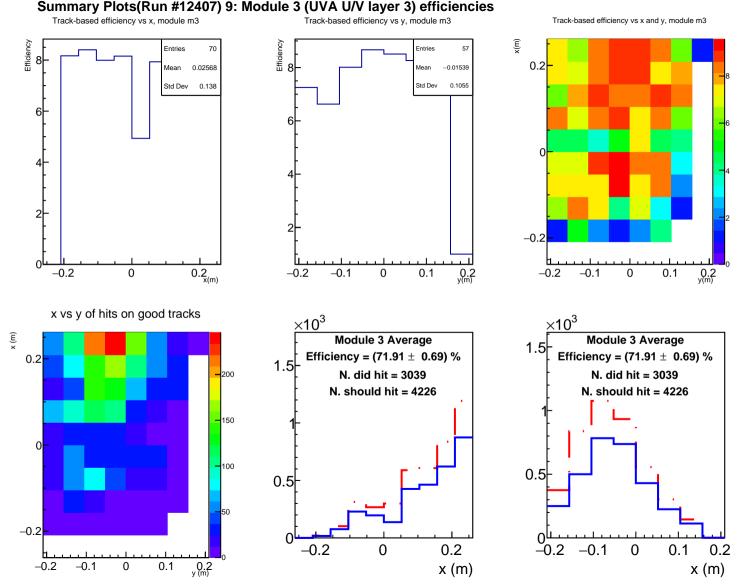
Summary Plots(Run #12407) 4: Tracking residuals (inclusive)
All hits ×10³ ×10⁻³ ×10⁻³ Track u/x incl. residuals (m) Track u/x incl. residuals (m) 231.5 / 23 -2 3 4 layer 10 module 0 1 2 Track u/x incl. residuals (m) 2 5 All hits <u>×10</u>⁻³ ×10³ Track v/y incl. residuals (m) Track v/y incl. residuals (m) 1.5 -2 0 1 2 Track v/y incl. residuals (m) 3 4 layer 5 10 module 2

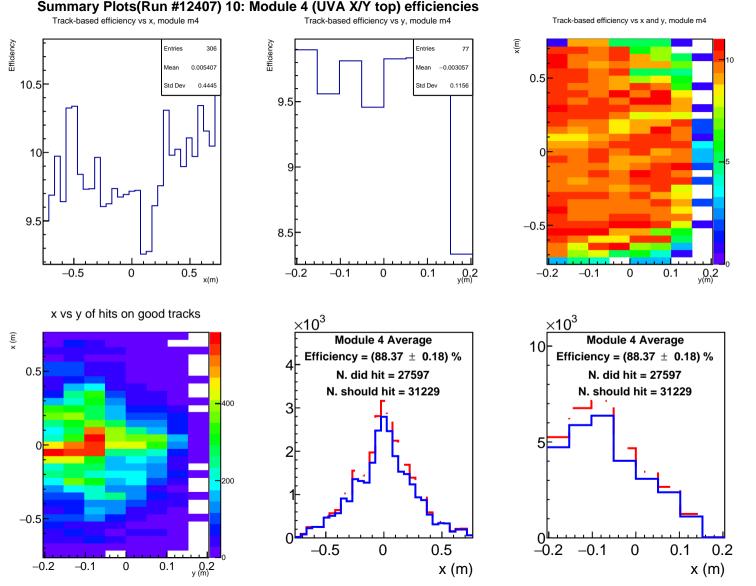
Summary Plots(Run #12407) 5: Tracking residuals (exclusive)
All hits ×10³ ×10⁻³ Track u/x excl. residuals (m) Track u/x excl. residuals (m) 52.16 / 64 800 800 600 **-**600 400 0.5 3 4 layer 5 10 module 0 1 2 Track u/x excl. residuals (m) 0 2 0 All hits 1.5 - ×10³ ×10⁻³ Track v/y excl. residuals (m) Track v/y excl. residuals (m) 800 800 600 400 0.5 200 -2 0 1 2 Track v/y excl. residuals (m) 2 5 10 module 0 3 4 layer

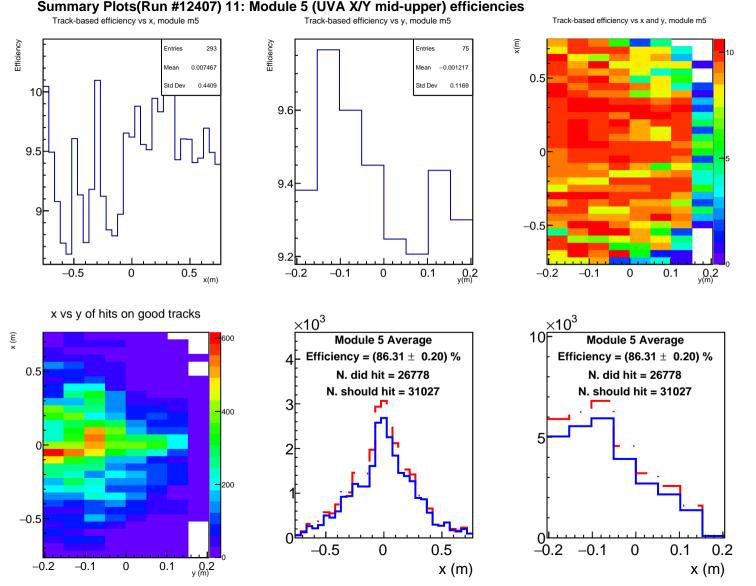


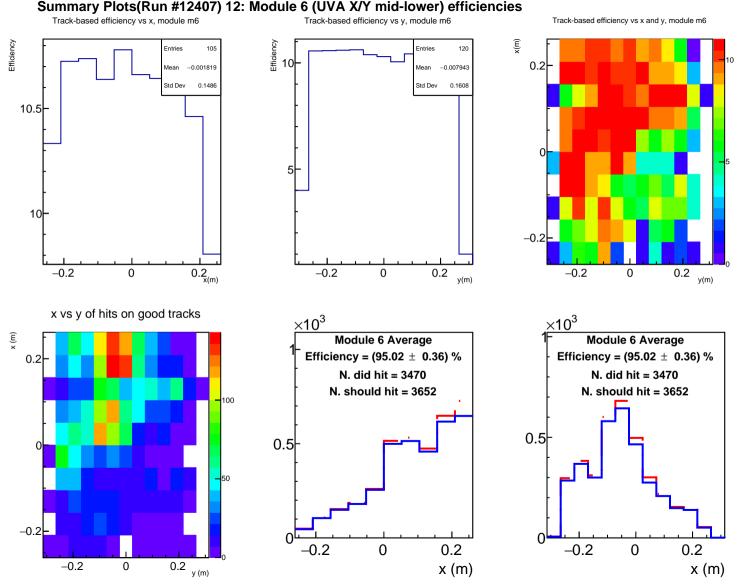


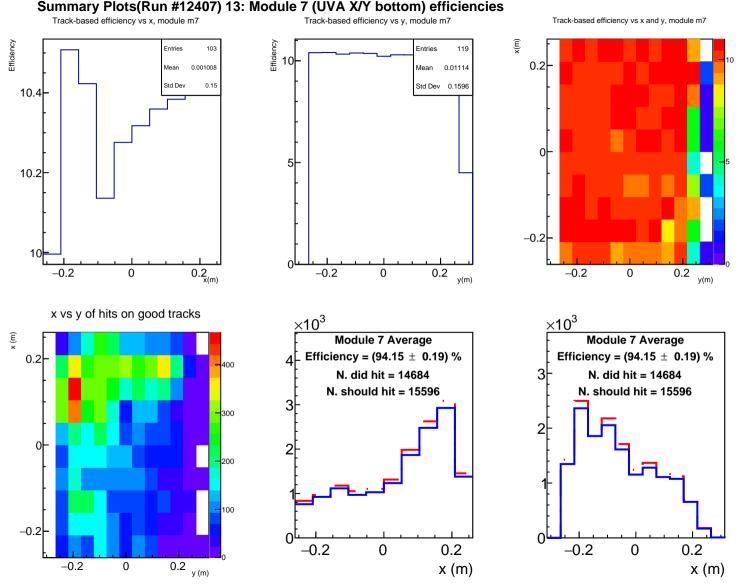












Summary Plots(Run #12407) 14: Layer 0 efficiencies track-based efficiency vs x, y track-based efficiency vs x (m), averaged over y track-based efficiency vs y (m), averaged over x efficiency Ê efficiency Entries Entries -0.002121 -0.01387 0.4089 Std Dev Std Dev 0.1145 -0.50.5 -0.2 -0.1 -0.1 0.1 -0.50.1 0.2 y(m) -0.20 0 0 x vs y of hits on good tracks (m) $\times 10^3$ $\times 10^3$ Œ, 800 Layer 0 Average Layer 0 Average Efficiency = (85.44 \pm 0.20) % Efficiency = (85.44 \pm 0.20) % 10 0.5 N. did hit = 26682 N. did hit = 26682 N. should hit = 31229 N. should hit = 31229 600 400 5 200 -0.50 0.5 -0.2 0.1 -0.5-0.10 0.2 -0.2-0.1 0 0.1 x(m) y(m)

Summary Plots(Run #12407) 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 Mean -0.01033 -0.01981 0.5 0.4359 Std Dev Std Dev 0.1131 -0.5 0.5 -0.2 -0.1 0.2 y(m) -0.2 -0.1 -0.50.1 0 0.1 0 0 x vs y of hits on good tracks (m) $\times 10^3$ $\times 10^3$ Œ, Layer 1 Average Layer 1 Average Efficiency = (68.94 \pm 0.26) % Efficiency = (68.94 \pm 0.26) % 0.5 N. did hit = 21110 N. did hit = 21110 N. should hit = 30620 N. should hit = 30620 400 200 -0.50.5 -0.2 -0.10.1 0.2 -0.50 0 -0.2-0.10.1 x(m) y(m)

Summary Plots(Run #12407) 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 Entries Entries Mean -0.001299 -0.009131 0.5 0.4414 Std Dev Std Dev 0.1146 10 9.5 -0.5 -0.1 -0.1 -0.50.5 -0.20.1 -0.20.1 0 0 0 x(m) x vs y of hits on good tracks (m) $\times 10^3$ $\times 10^3$ Œ, Layer 2 Average Layer 2 Average 600 Efficiency = (88.37 \pm 0.18) % Efficiency = (88.37 \pm 0.18) % 0.5 N. did hit = 27597 N. did hit = 27597 N. should hit = 31229 N. should hit = 31229 6 200 -0.5 0.5 0.1 0.2 -0.50 -0.2 -0.10 -0.2-0.1 0.1 x(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 Ê efficiency Entries Entries -0.001534 Mean 0.006179 0.5 0.4391 Std Dev Std Dev 0.1245 9.5 9.5 -0.5 -0.5 -0.2 -0.1 -0.1 0 0.5 0 0.1 -0.20 0.1 x(m) x vs y of hits on good tracks (m) $\times 10^3$ $\times 10^3$ Œ, Layer 3 Average Layer 3 Average Efficiency = (86.31 \pm 0.20) % Efficiency = (86.31 \pm 0.20) % 0.5 N. did hit = 26778 N. did hit = 26778 N. should hit = 31027 N. should hit = 31027 400 6 200 -0.50 0.5 0.1 0.2 -0.2 -0.10 -0.2-0.10 0.1 x(m) y(m)

Summary Plots(Run #12407) 17: Layer 3 efficiencies

Summary Plots(Run #12407) 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 (m)× efficiency Entries -0.002015 -0.006208 10 0.5968 Std Dev 0.1795 0.5 10 -0.50.5 -0.2 0.2 -0.2 0.2 -0.50 0 0 y(m) x vs y of hits on good tracks (m) $\times 10^3$ $\times 10^3$ Layer 4 Average Layer 4 Average Efficiency = (94.67 \pm 0.13) % Efficiency = (94.67 \pm 0.13) % 400 N. did hit = 29671 N. did hit = 29671 0.5 N. should hit = 31343 N. should hit = 31343 300 -0.5100 0.2 -0.5 0.5 -0.2 0 0 -0.20.2 0 x(m) y(m) y(m)

Summary Plots(Run #12407) 19: Module average efficiencies

