

1 Vertex, 4 TOF-matched

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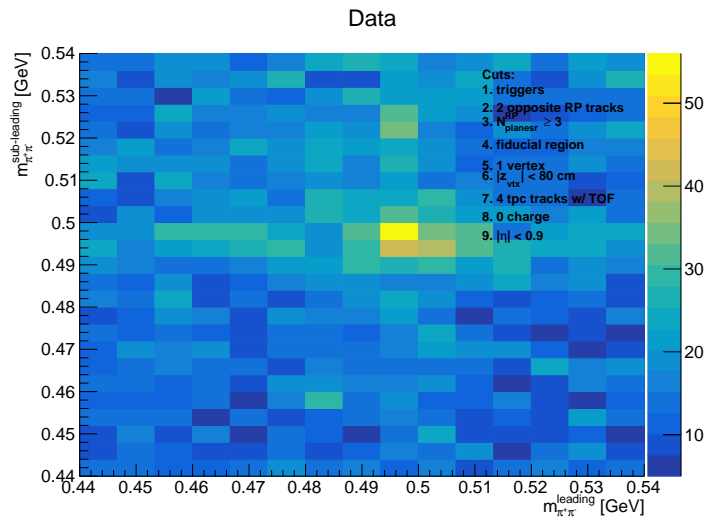


Figure 1: Data - leading vs complementary pion pair invariant mass

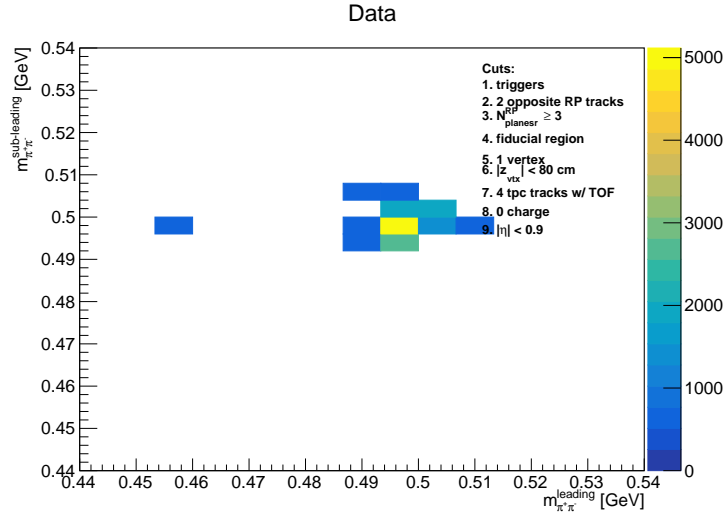


Figure 2: MC - leading vs complementary pion pair invariant mass

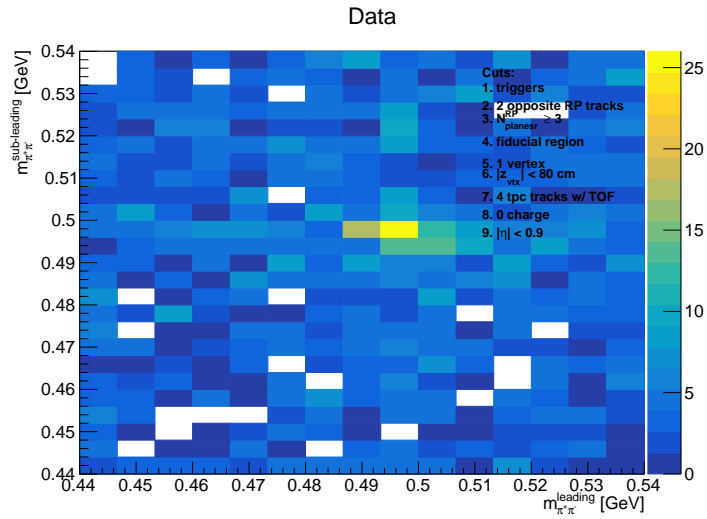


Figure 3: Data - leading vs complementary pion pair invariant mass m tof + ptmis

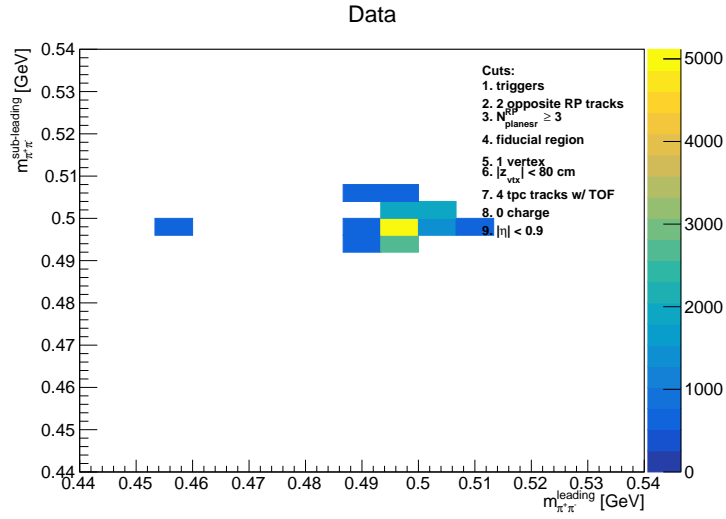


Figure 4: MC - leading vs complementary pion pair invariant mass, tof + pt miss

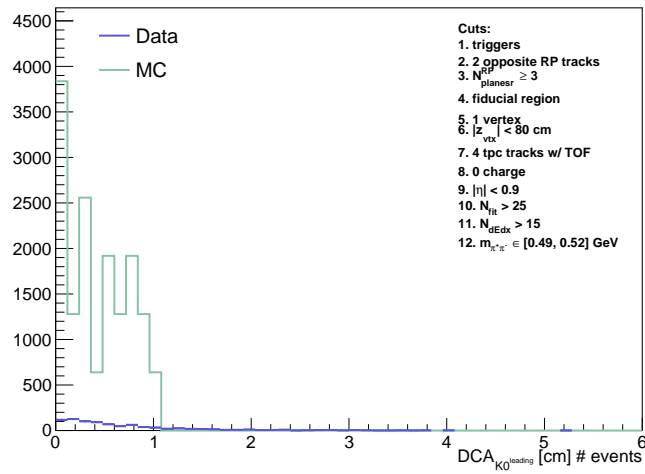


Figure 5: Dca daughters leading kaon

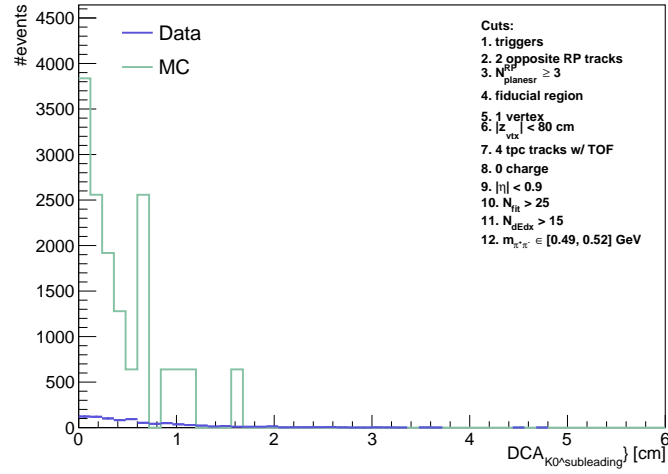


Figure 6: Dca daughters sub-leading kaon

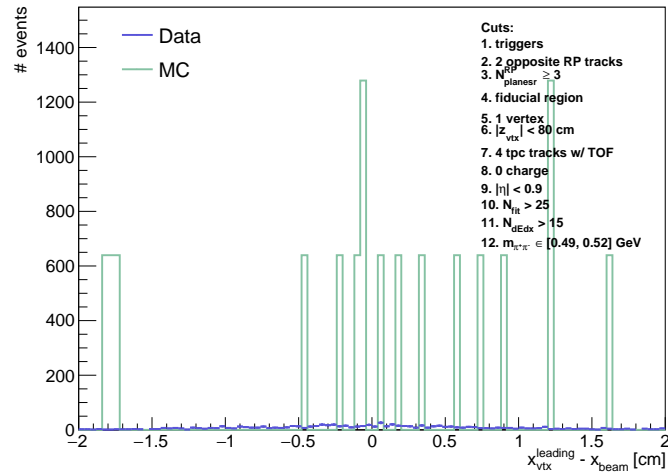


Figure 7: $x_{vertex} - x_{beam}$

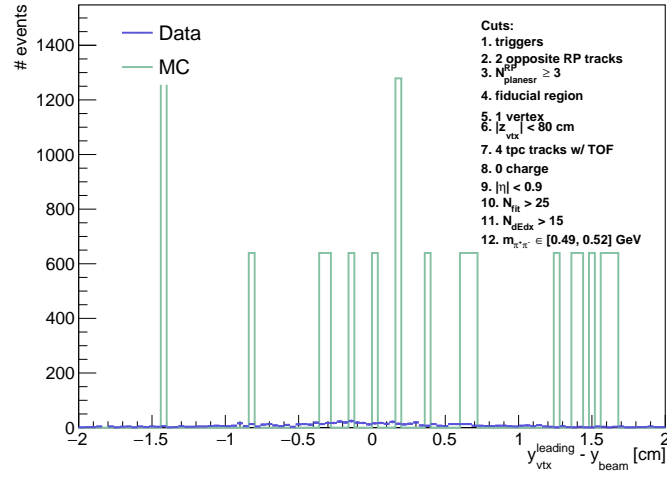


Figure 8: $y_{\text{vertex}} - y_{\text{beam}}$

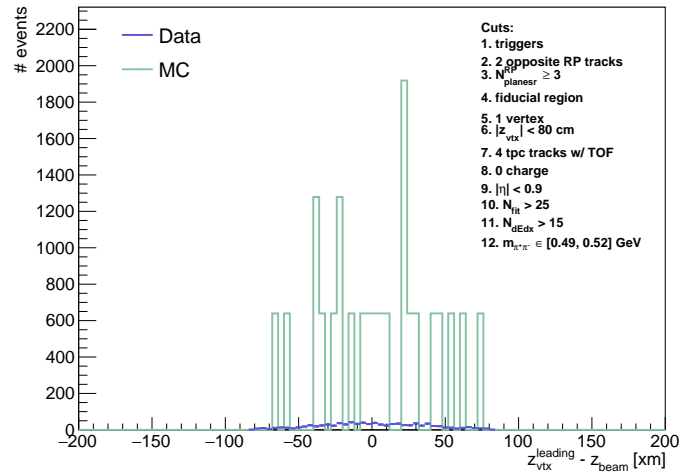


Figure 9: z_{vertex}

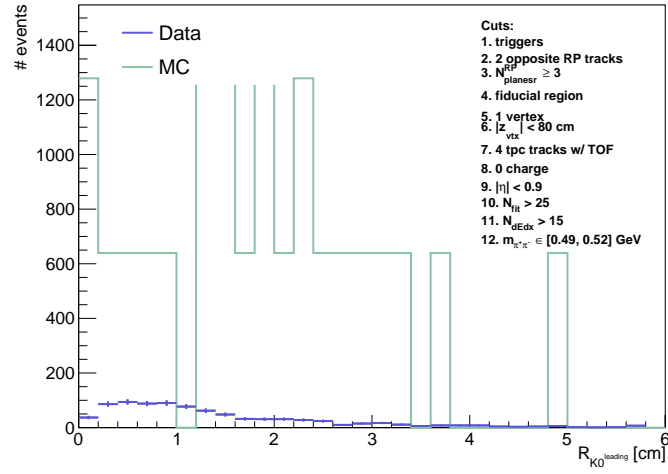


Figure 10: R

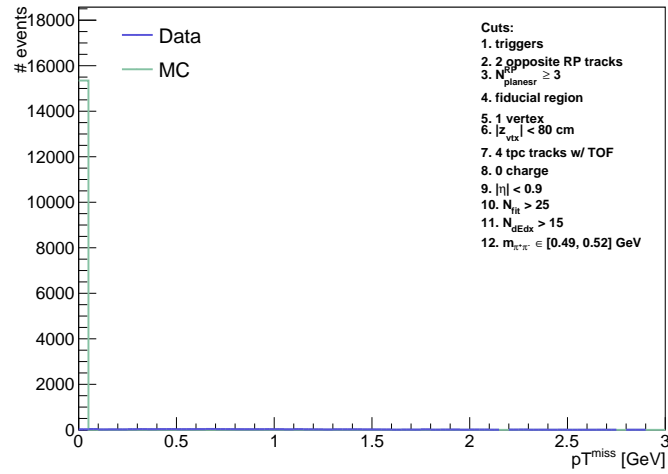


Figure 11: missing pT

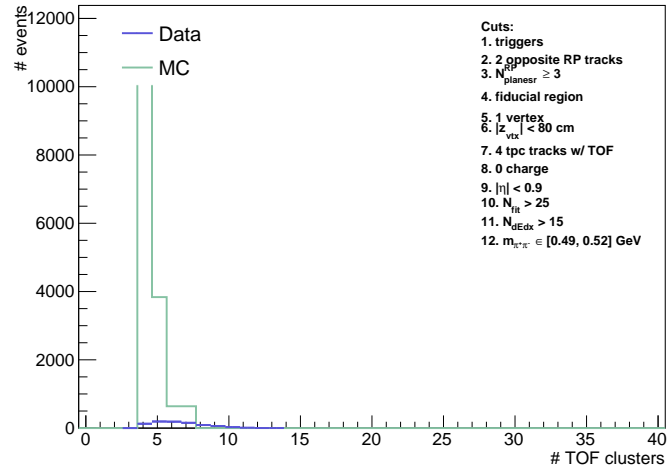


Figure 12: Number of clusters

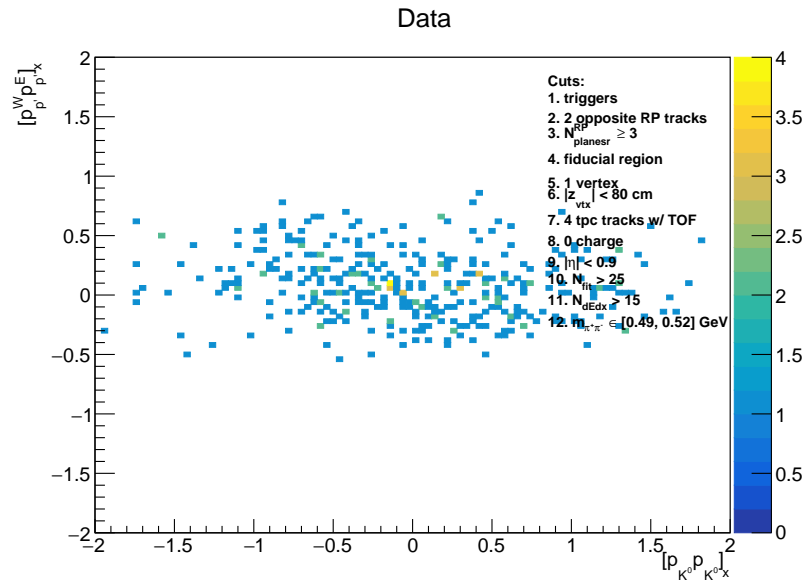


Figure 13: Data - x coordinate - protons: same py sign

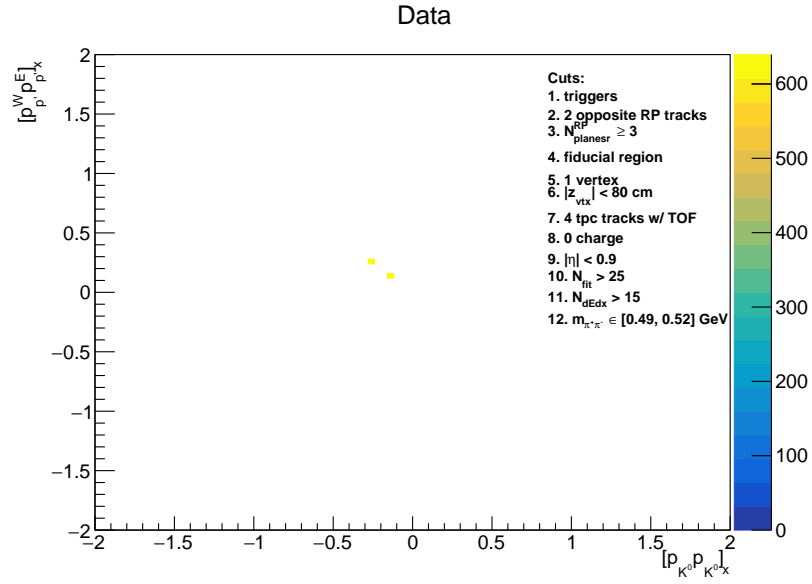


Figure 14: MC - x coordinate - protons: same py sign

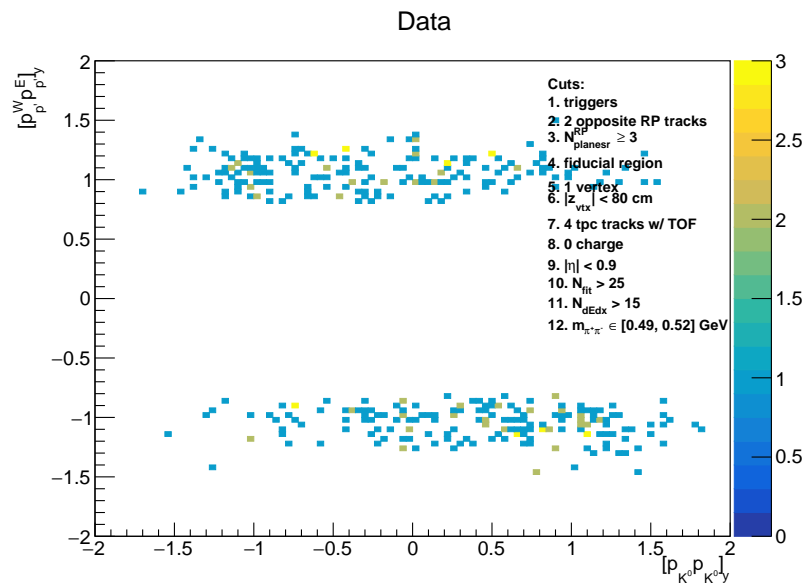


Figure 15: Data - y coordinate - protons: same py sign

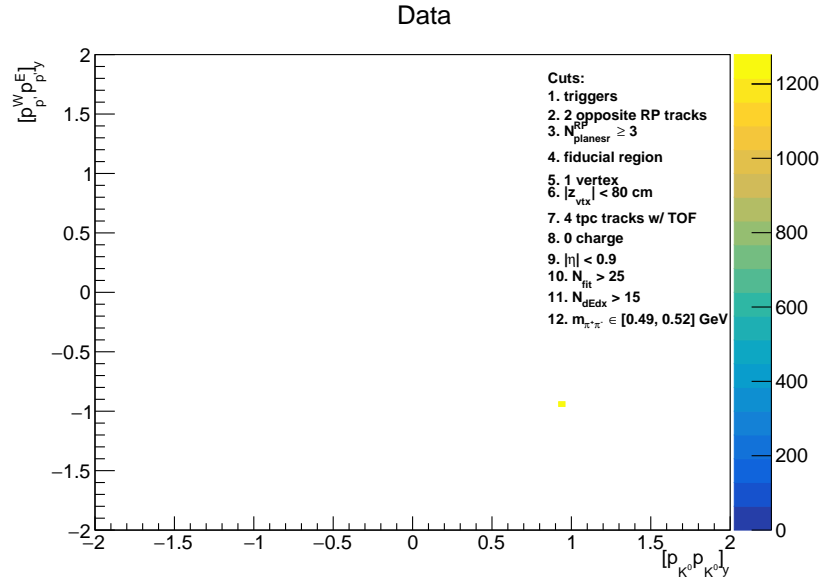


Figure 16: MC - y coordinate - protons: same p_y sign

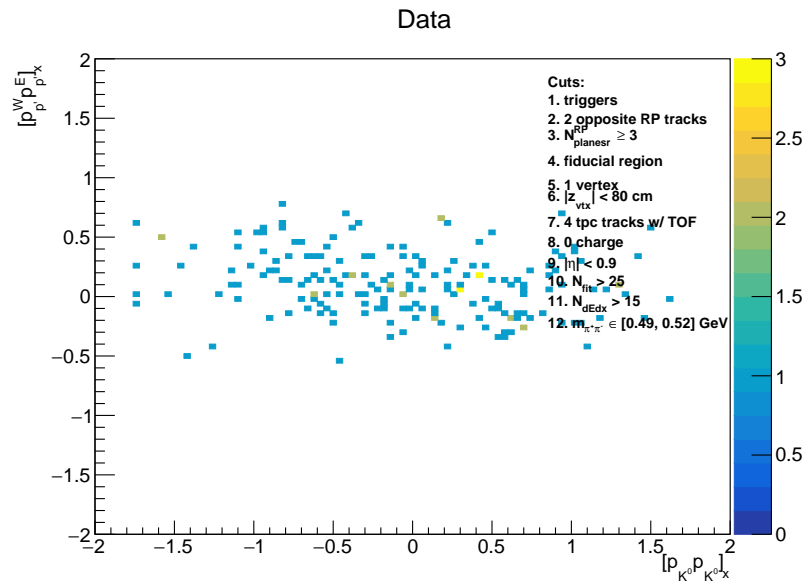


Figure 17: Data - x coordinate - protons: same p_y sign, both $p_y \geq 0$

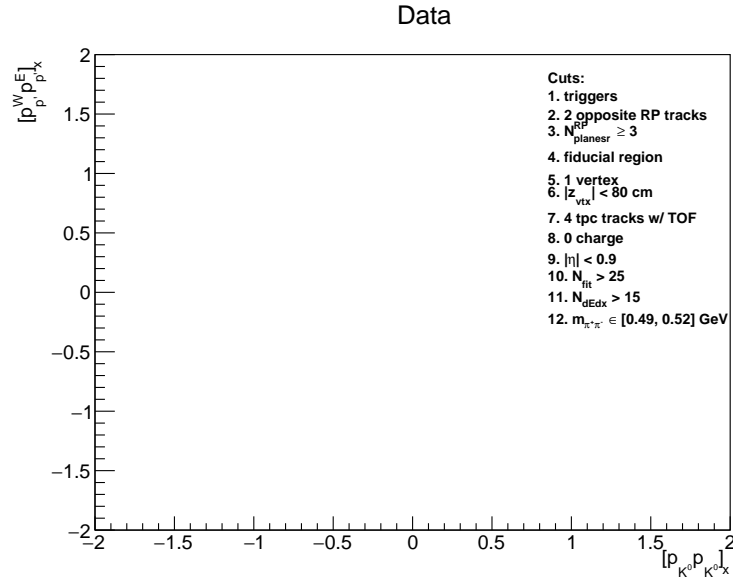


Figure 18: MC - x coordinate - protons: same p_y sign, both $p_y \geq 0$

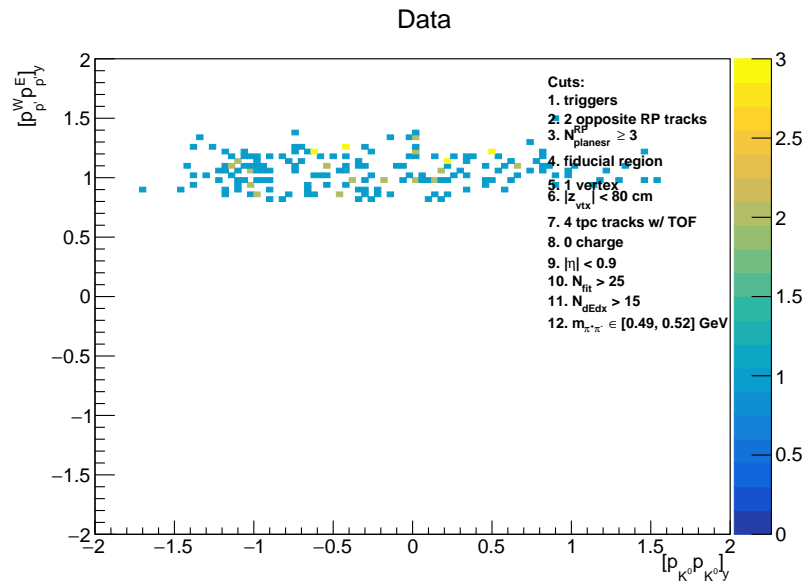


Figure 19: Data - y coordinate - protons: same p_y sign, both $p_y \geq 0$

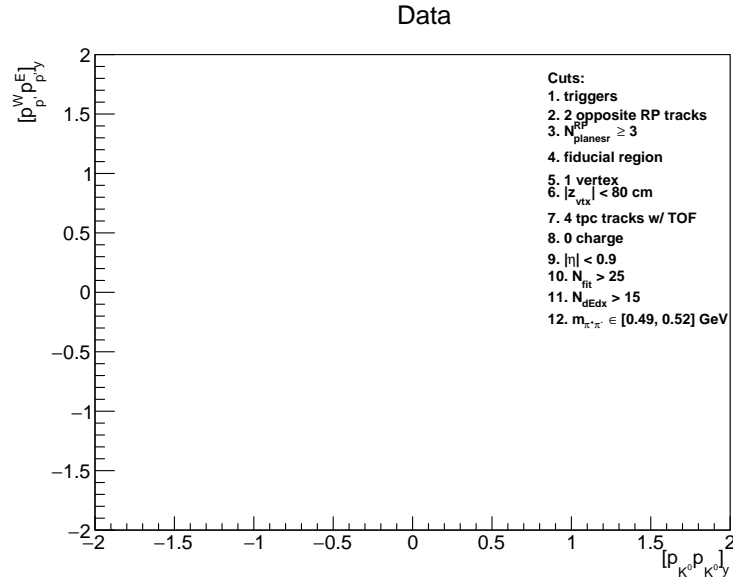


Figure 20: MC - y coordinate - protons: same py sign, both $py \geq 0$

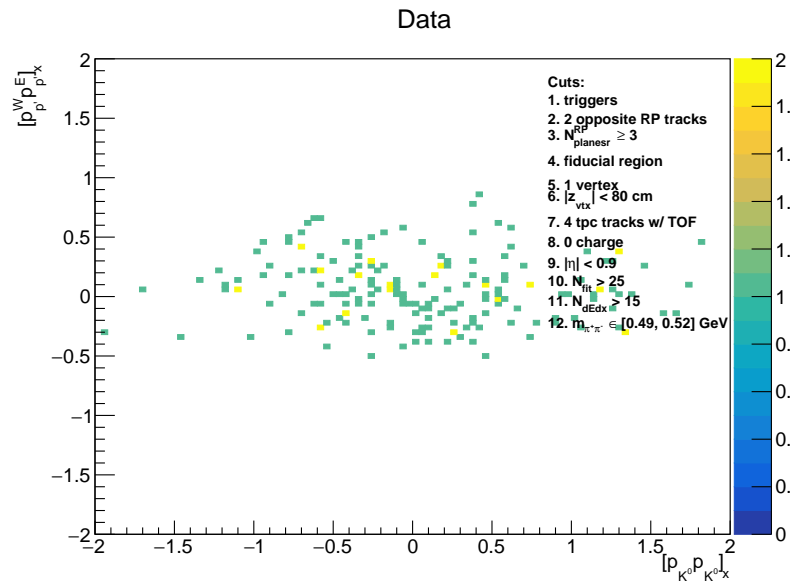


Figure 21: Data - x coordinate - protons: same py sign, both $py \leq 0$

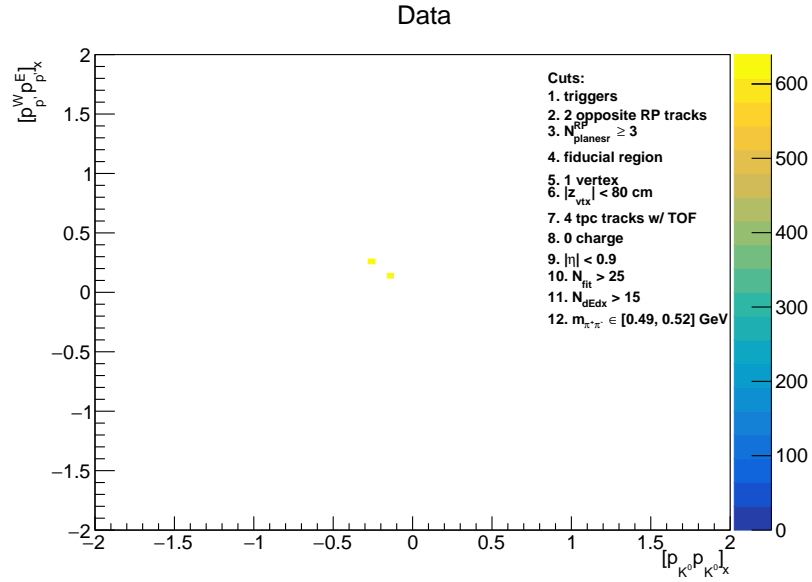


Figure 22: Data - x coordinate - protons: same p_y sign, both $p_y \leq 0$

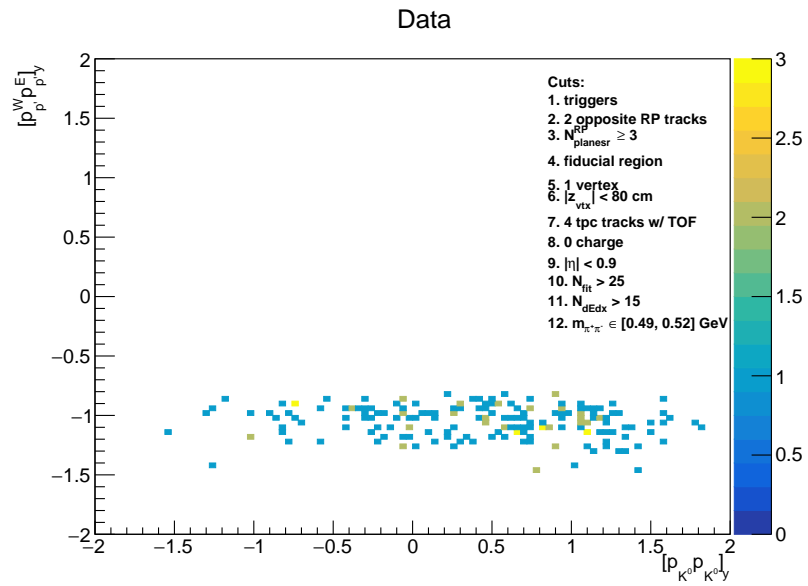


Figure 23: Data - y coordinate - protons: same p_y sign, both $p_y \leq 0$

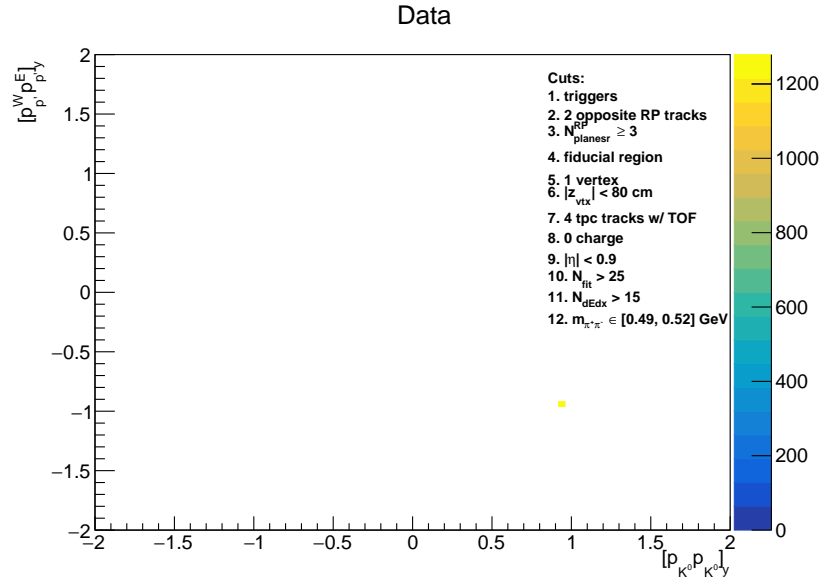


Figure 24: MC - y coordinate - protons: same p_y sign, both $p_y \leq 0$

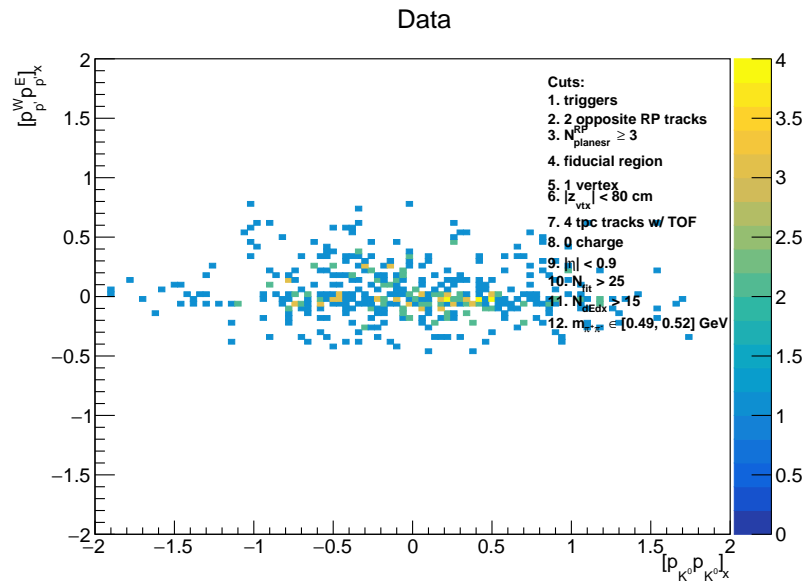


Figure 25: Data - x coordinate - protons: opposite p_y sign

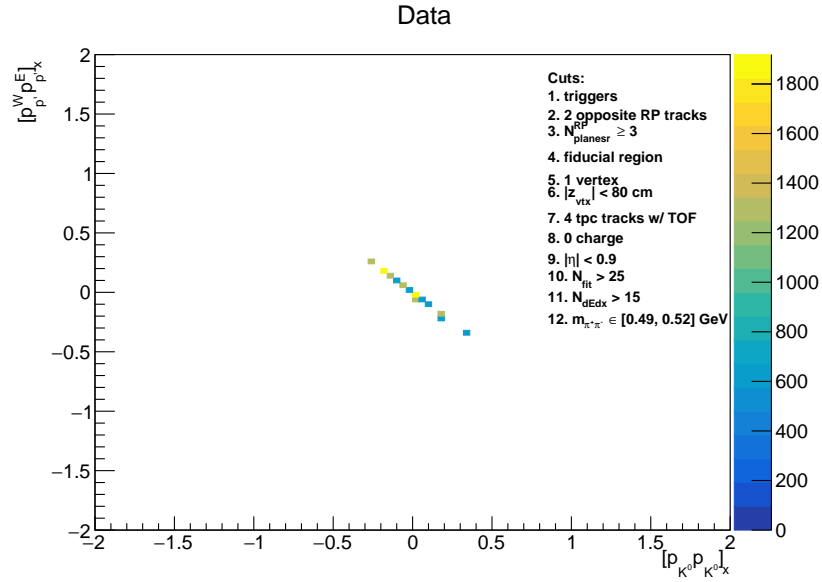


Figure 26: MC - x coordinate - protons: opposite py sign

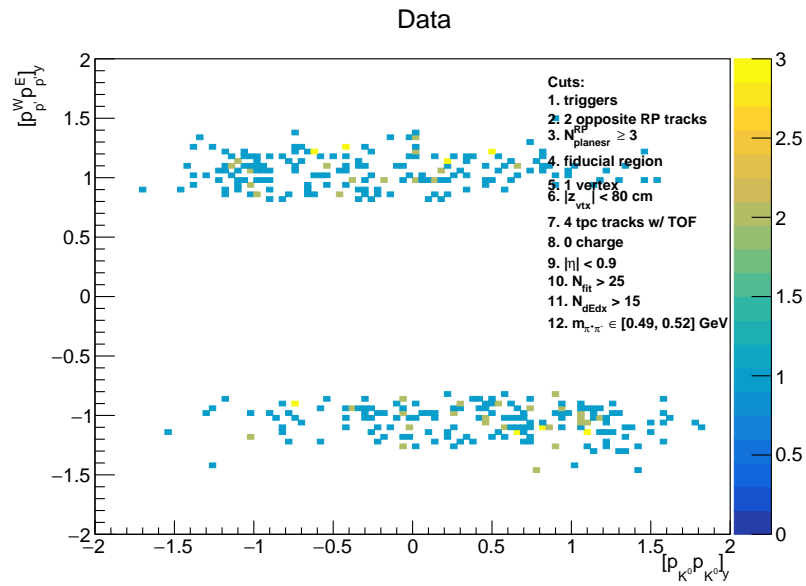


Figure 27: Data - x coordinate - protons: opposite py sign

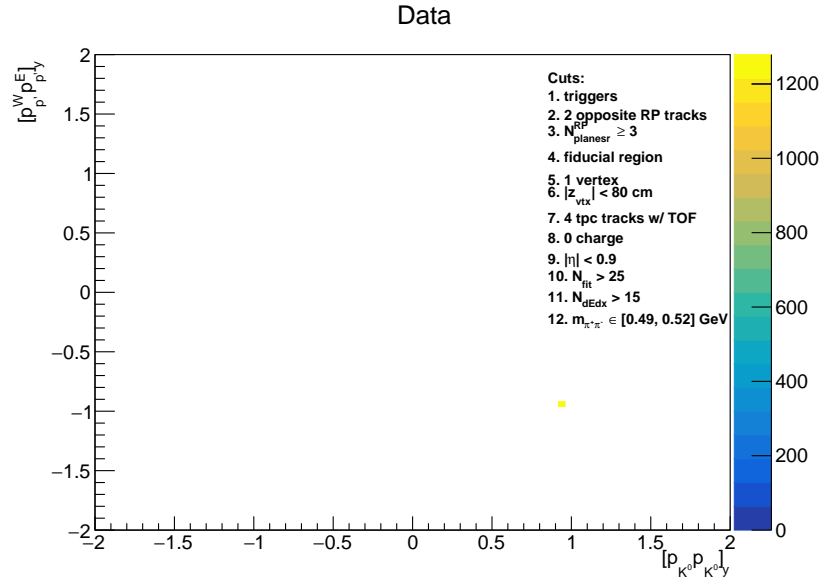


Figure 28: MC - y coordinate - protons: opposite py sign

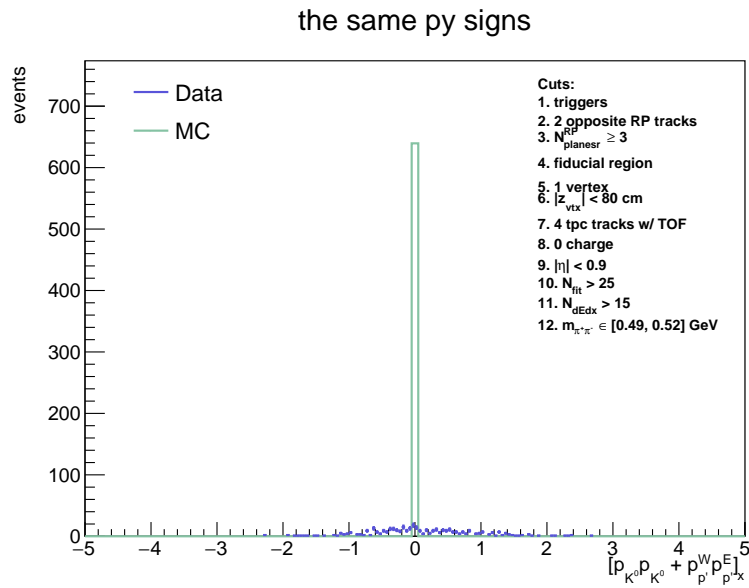


Figure 29: x coordinate - protons: same py sign

the same py signs, $py > 0$

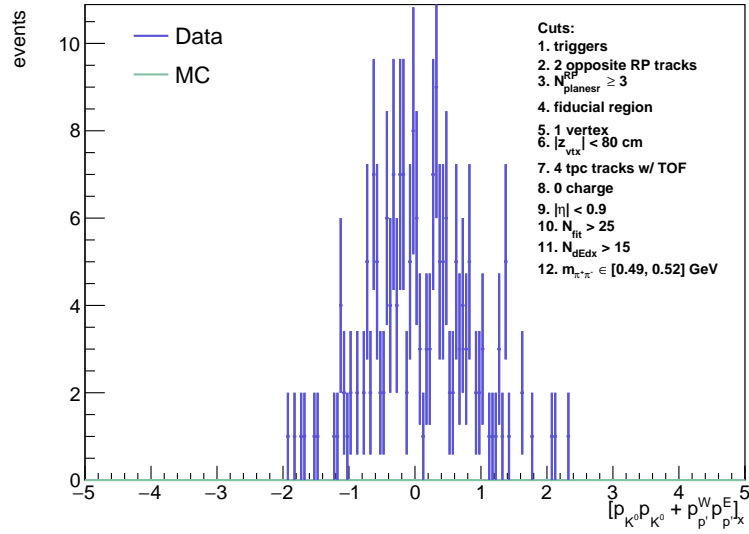


Figure 30: x coordinate - protons: same py sign, both $py \geq 0$

the same py signs, $py < 0$

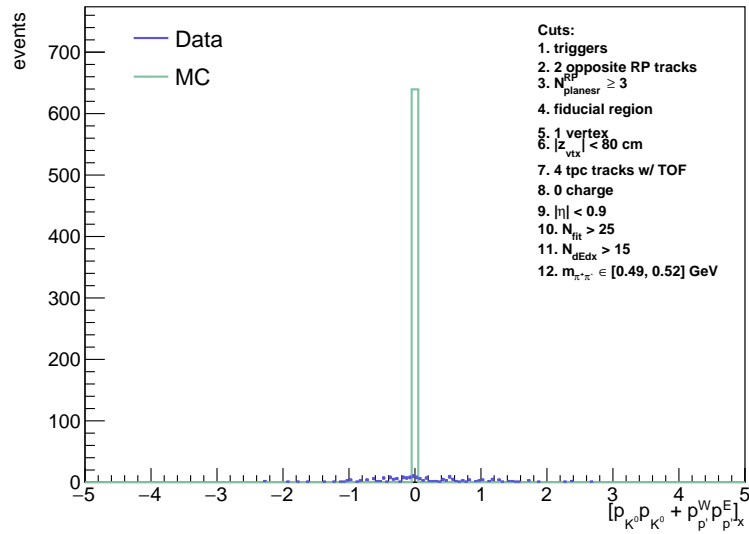


Figure 31: x coordinate - protons: same py sign, both $py \leq 0$

the same py signs

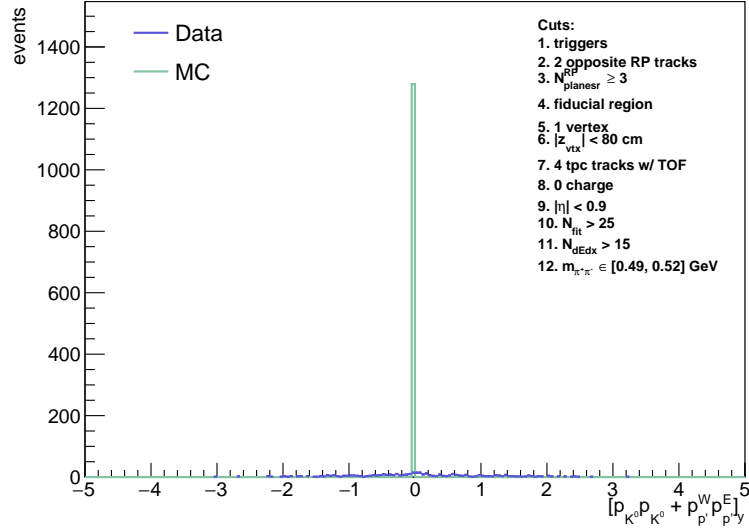


Figure 32: y coordinate - protons: same py sign

the same py signs, py > 0

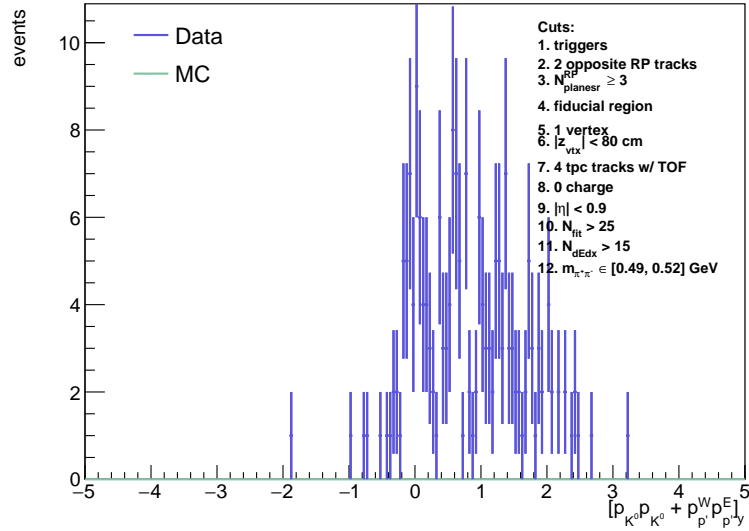


Figure 33: y coordinate - protons: same py sign, both $py \geq 0$

the same p_y signs, $p_y < 0$

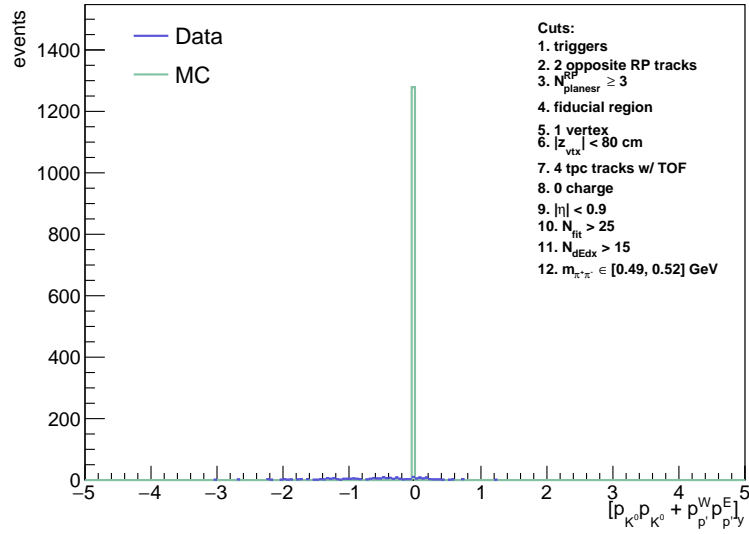


Figure 34: y coordinate - protons: same p_y sign, both $p_y \leq 0$

the opposite p_y signs

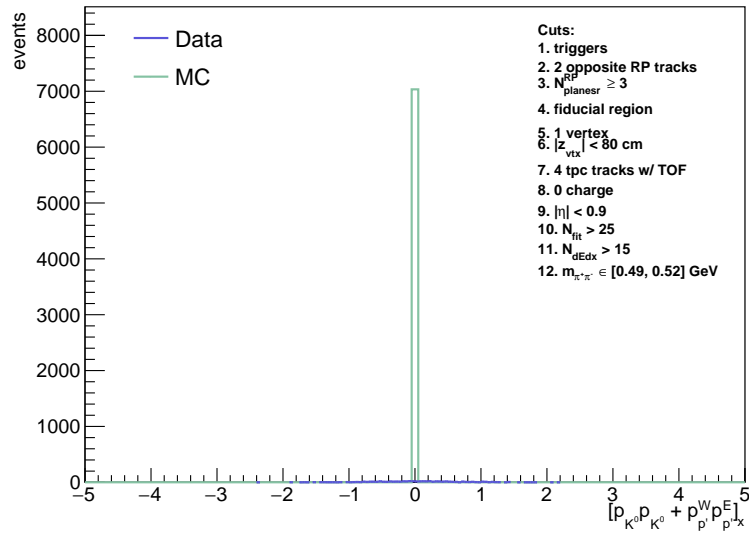


Figure 35: x coordinate - protons: opposite p_y sign

the opposite py signs

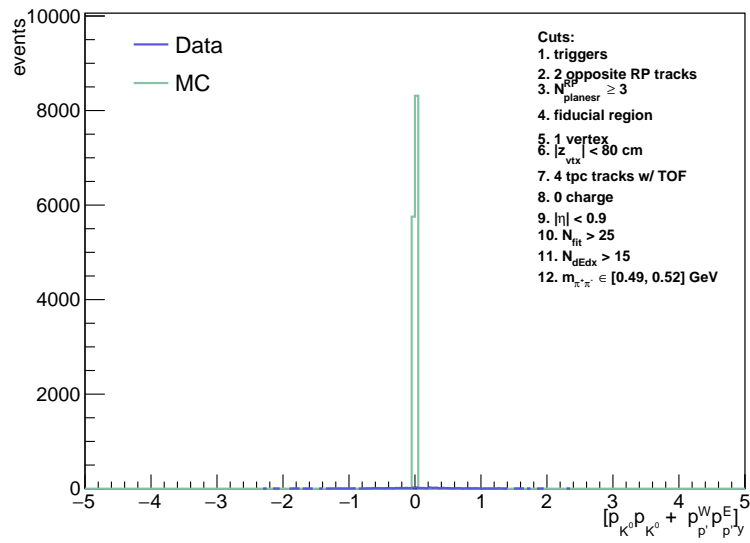


Figure 36: x coordinate - protons: opposite py sign