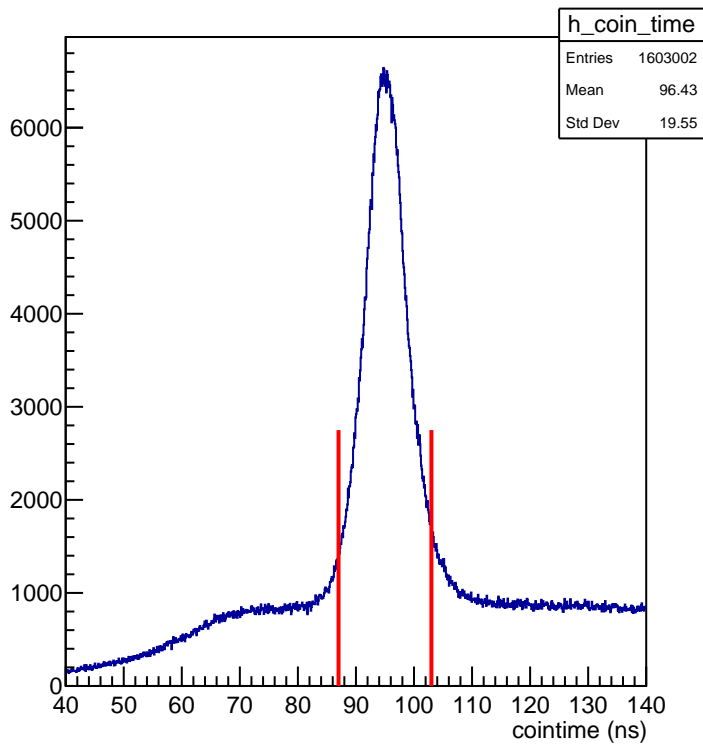
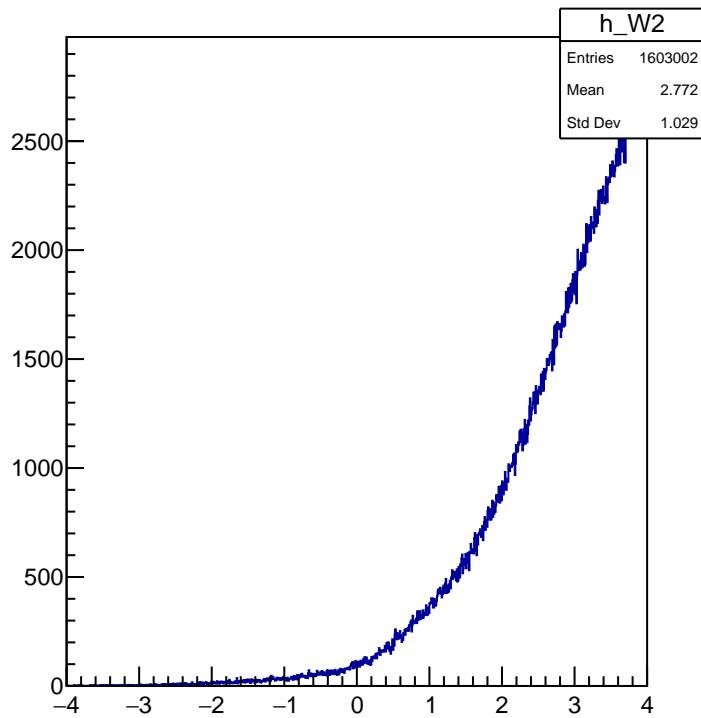


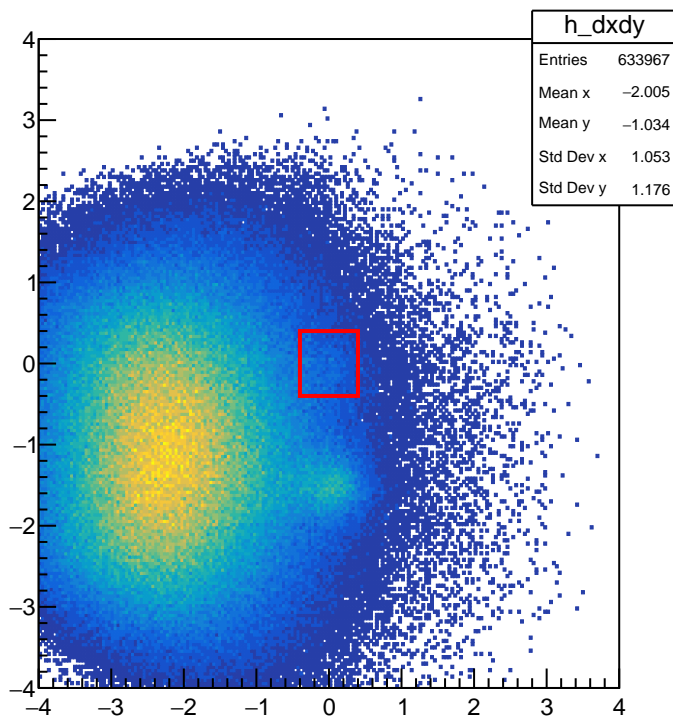
cointime (no cuts)



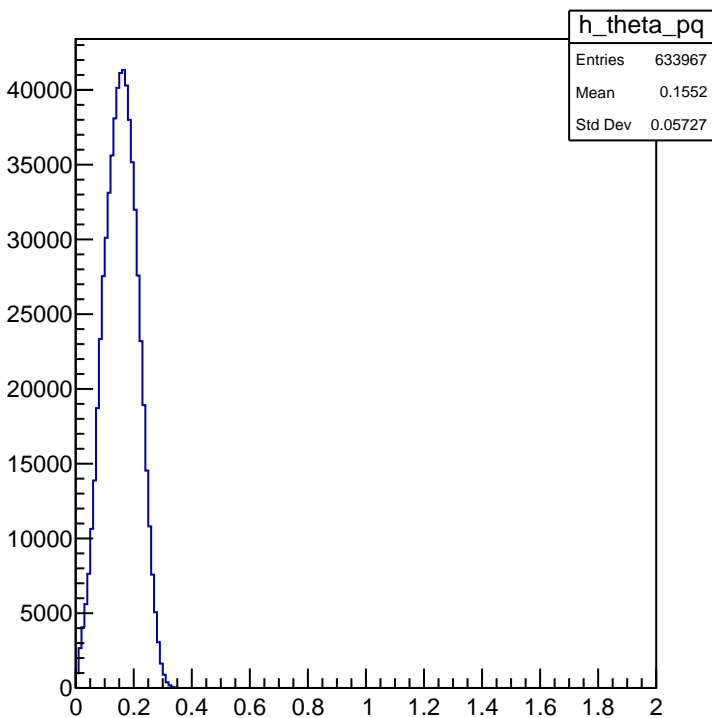
W2



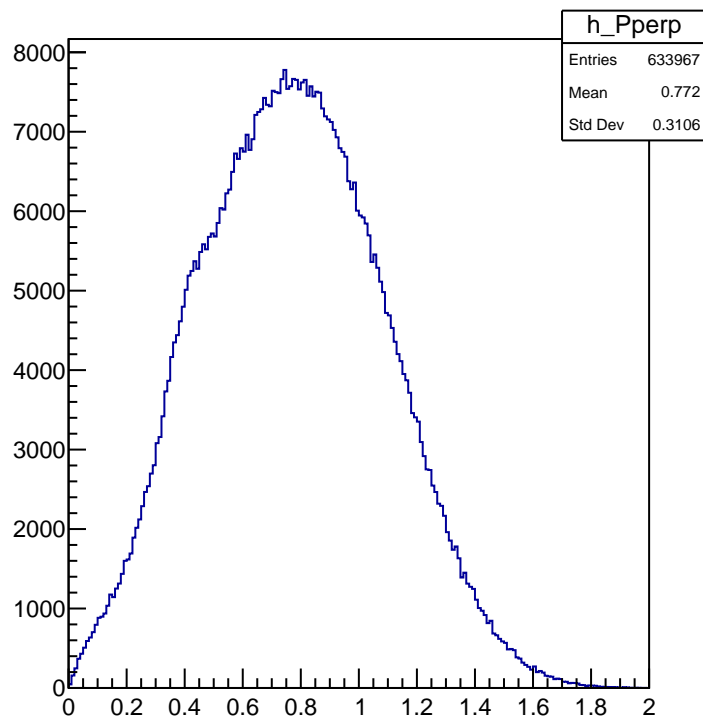
dxdy (cointime cut included)



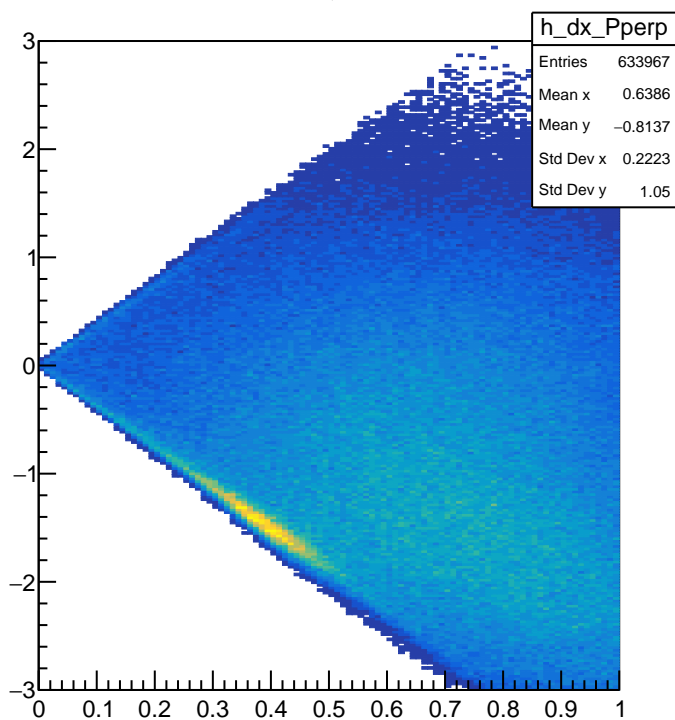
theta_pq only with cointime cut



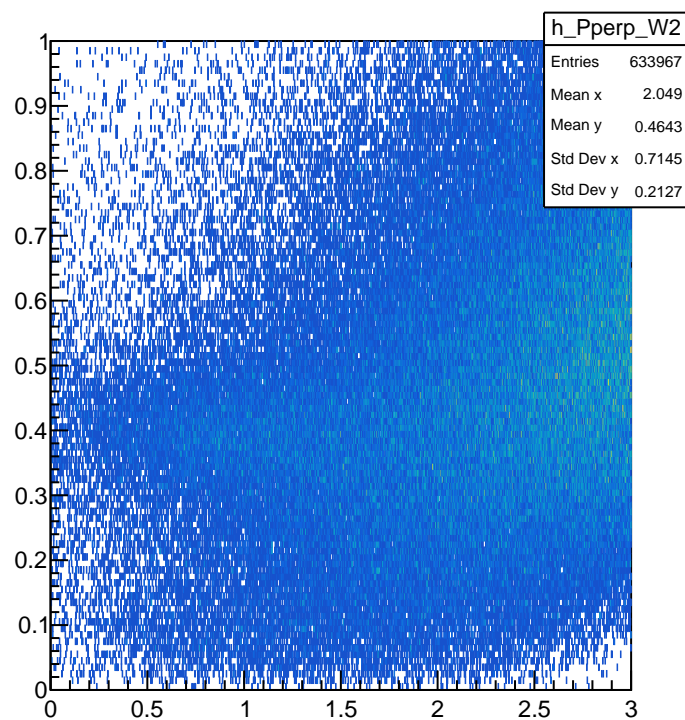
Pperp only with cointime cut



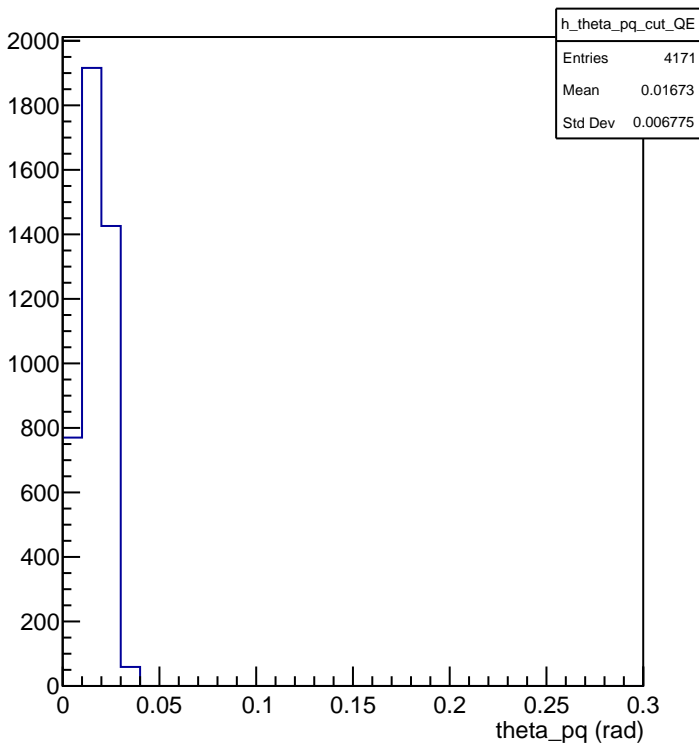
dx v Pperp dist only with cointime cut



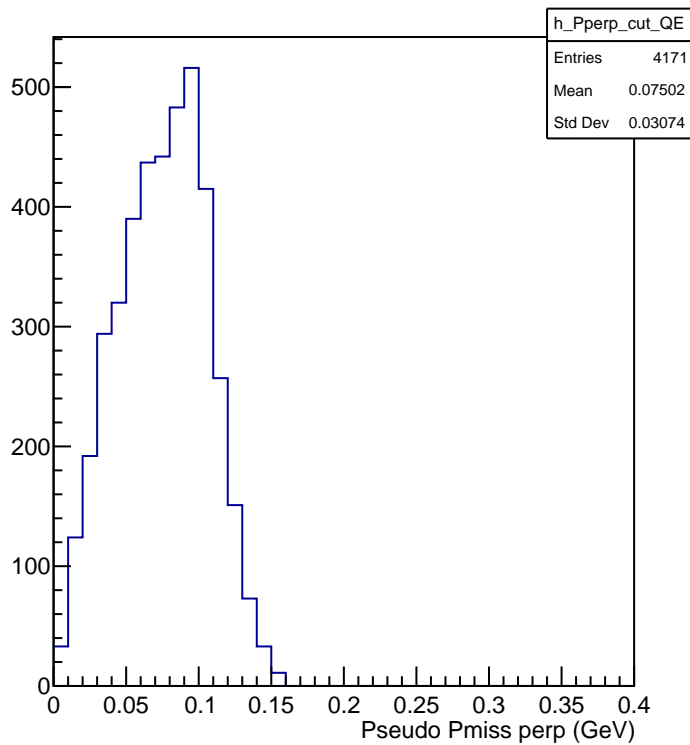
Pperp v W2 dist only with cointime cut



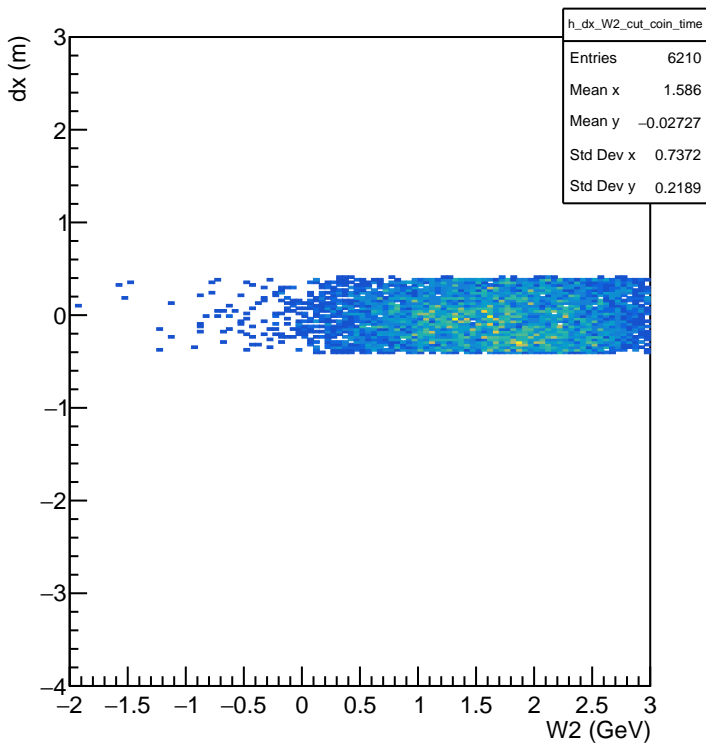
theta_pq with QE cuts



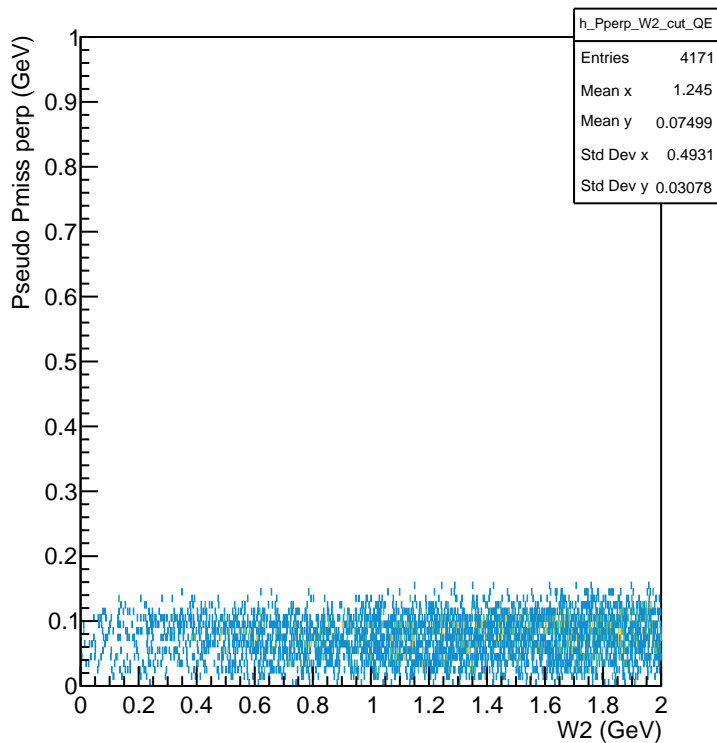
Pperp with QE cuts



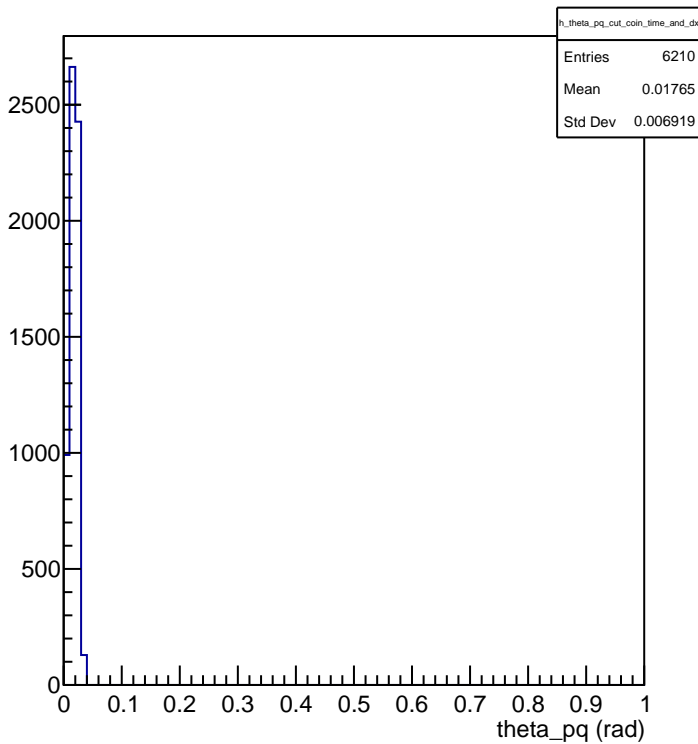
dx v W2 dist with coin time cut



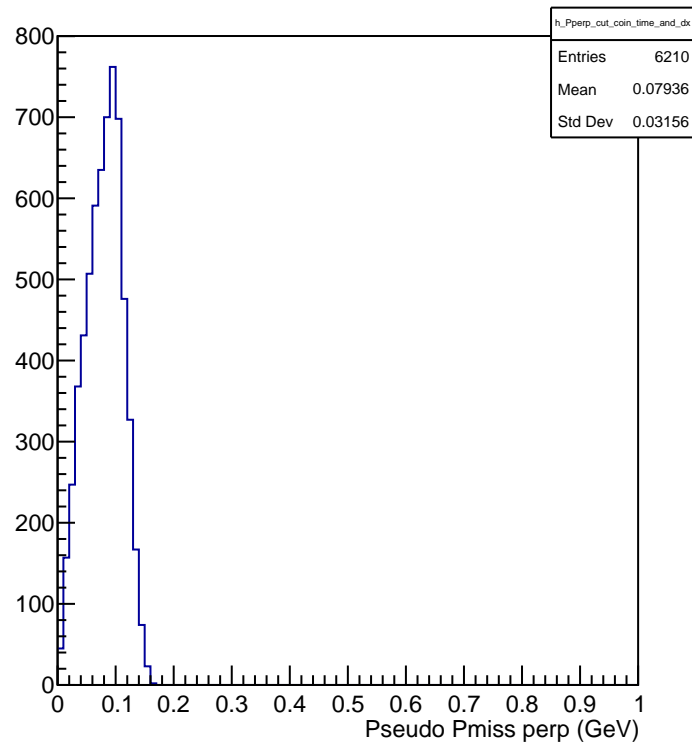
Pperp v W2 dist with QE cuts



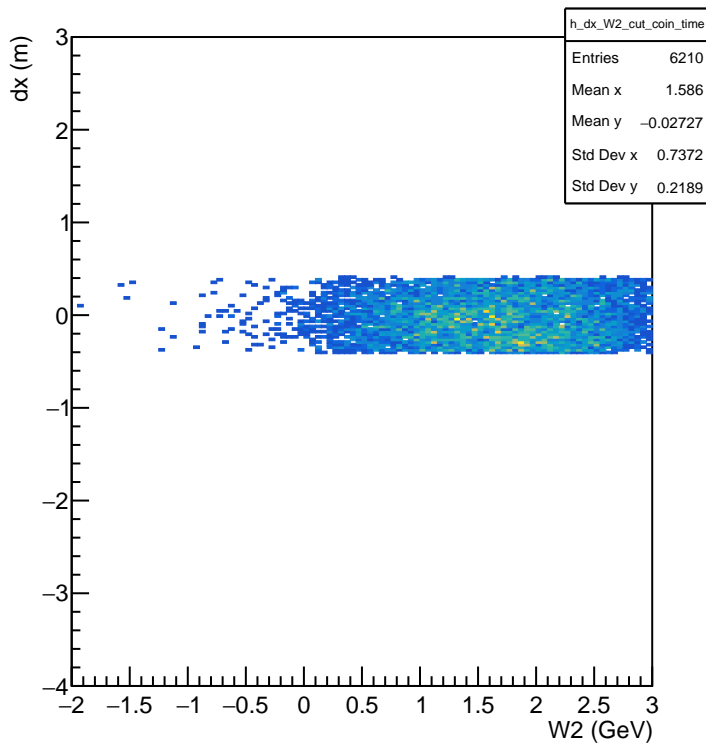
theta_pq coin, dx and dy cuts



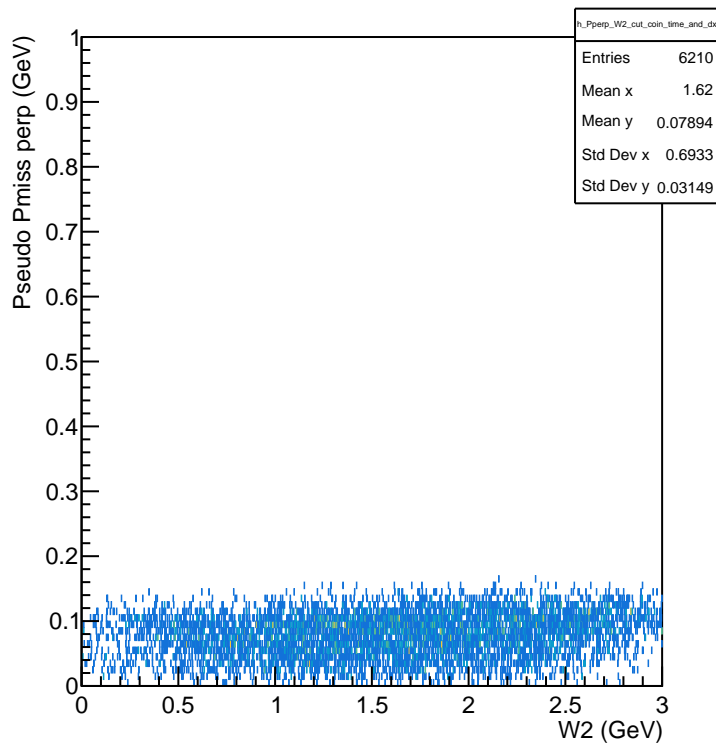
Pperp coin, dx and dy cuts



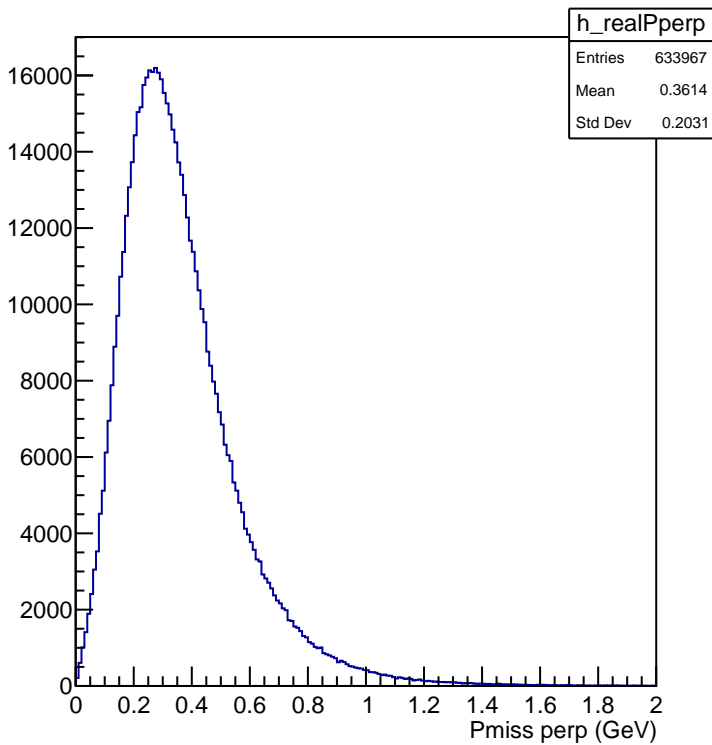
dx v W2 dist with coin time cut



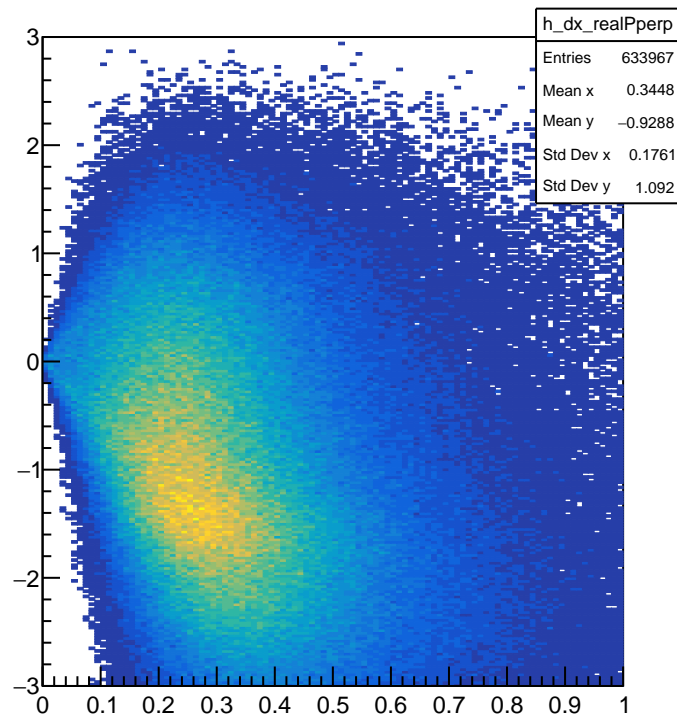
Pperp v W2 dist coin, dx and dy cuts



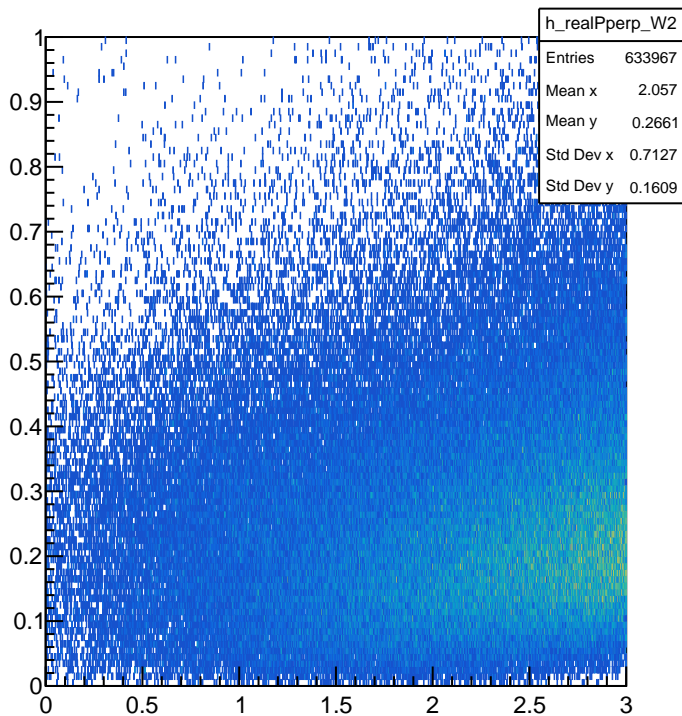
realPperp only with cointime cut



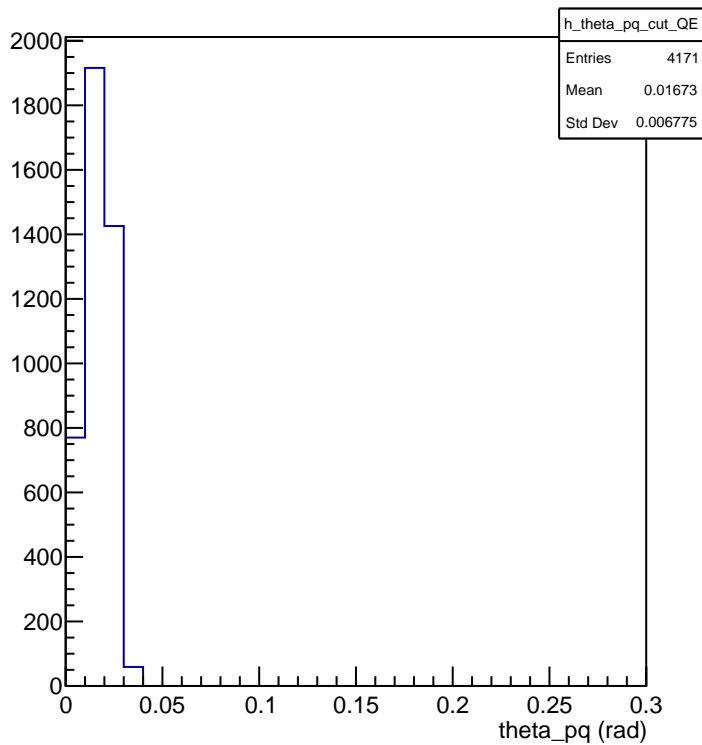
dx v realPperp dist only with cointime cut



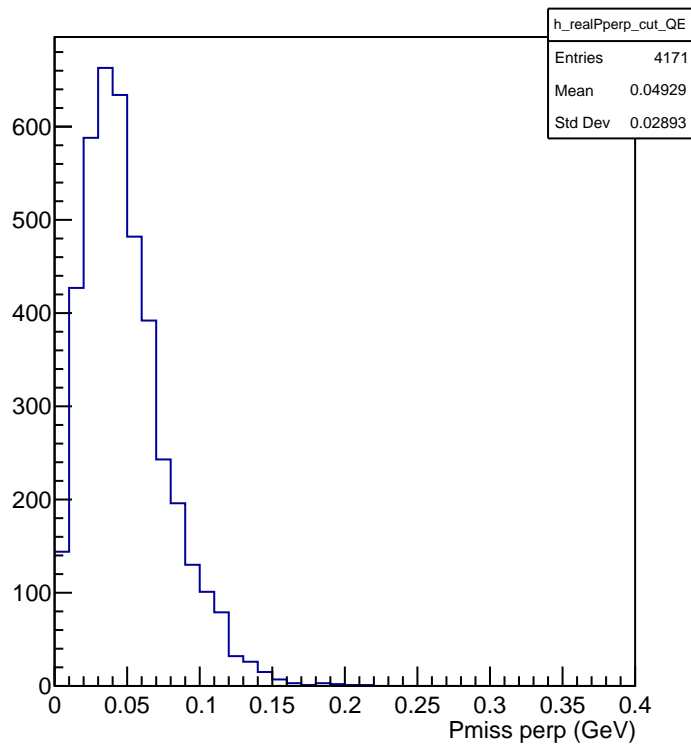
realPperp v W2 dist only with cointime cut



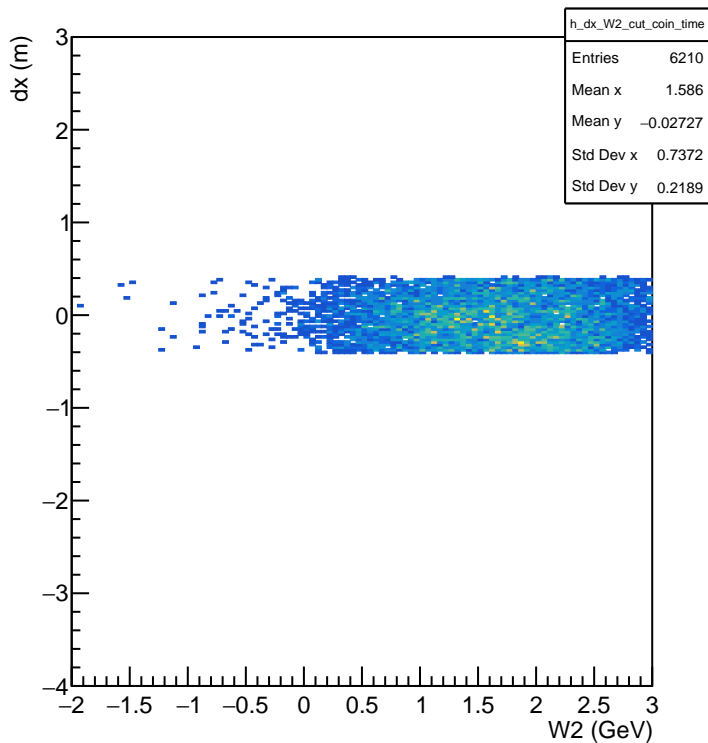
theta_pq with QE cuts



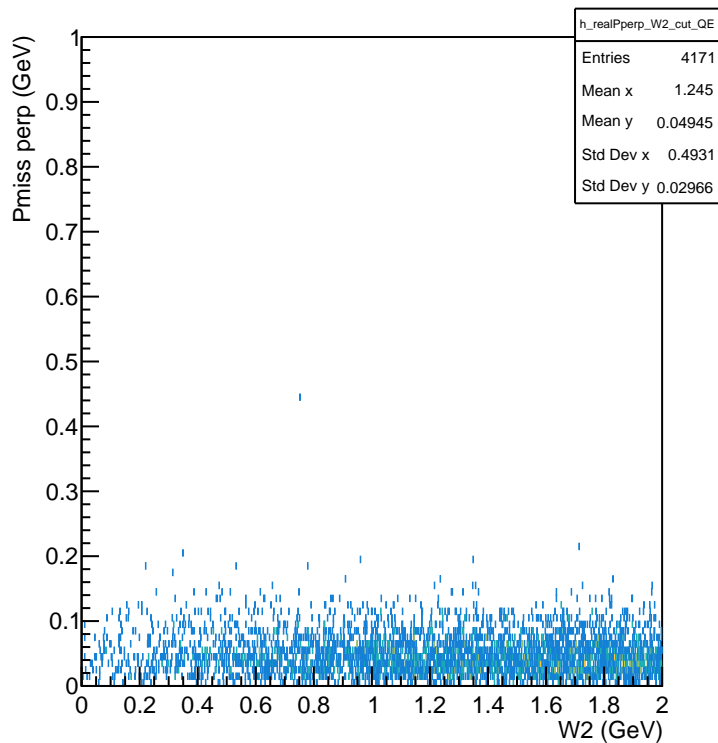
realPperp with QE cuts



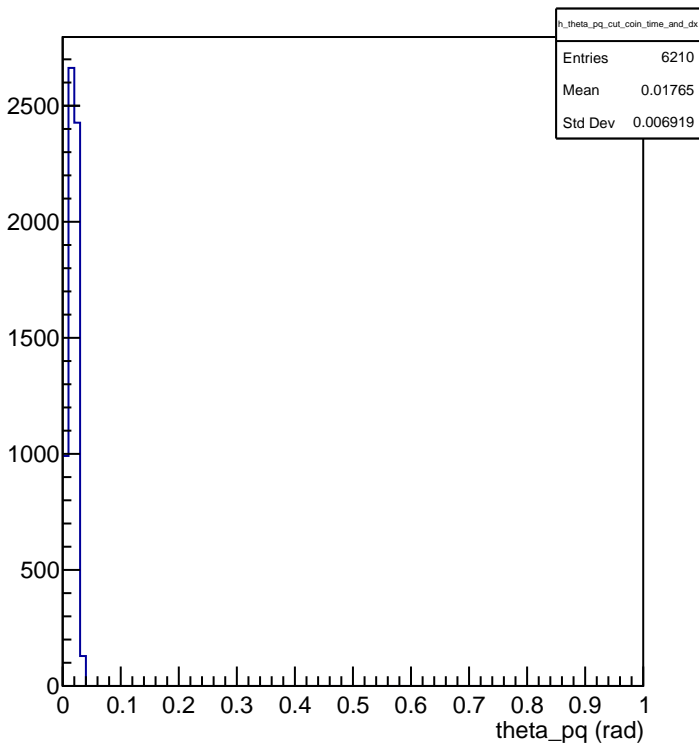
dx v W2 dist with coin time cut



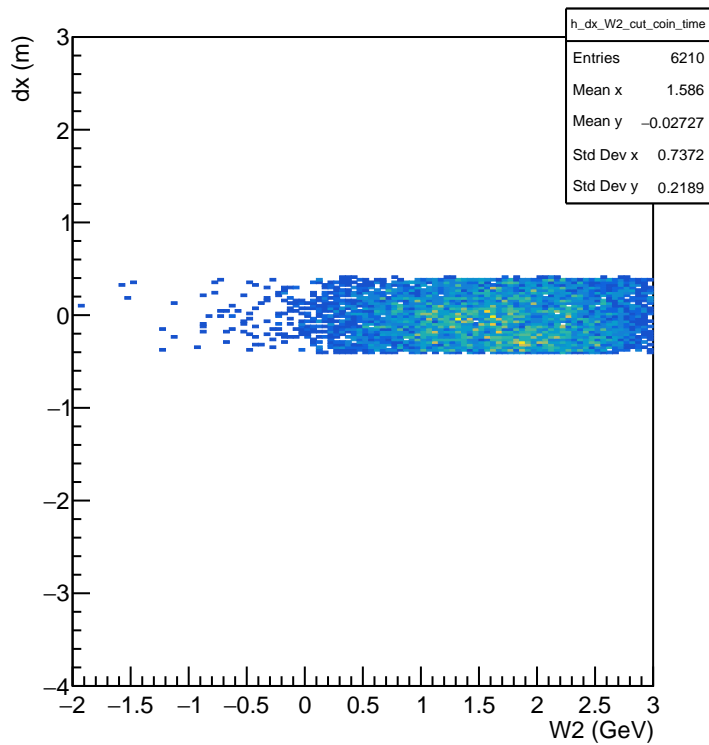
real Pperp v W2 dist with QE cuts



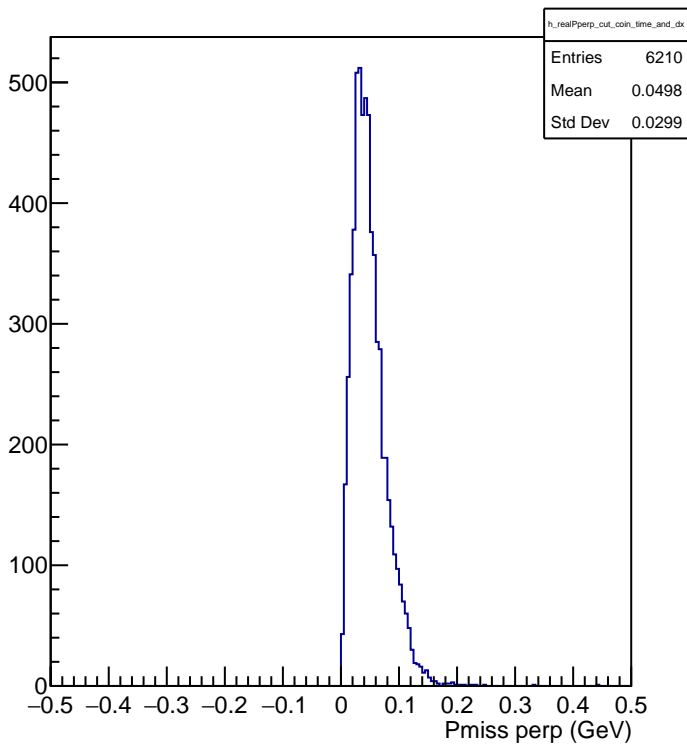
theta_pq coin, dx and dy cuts



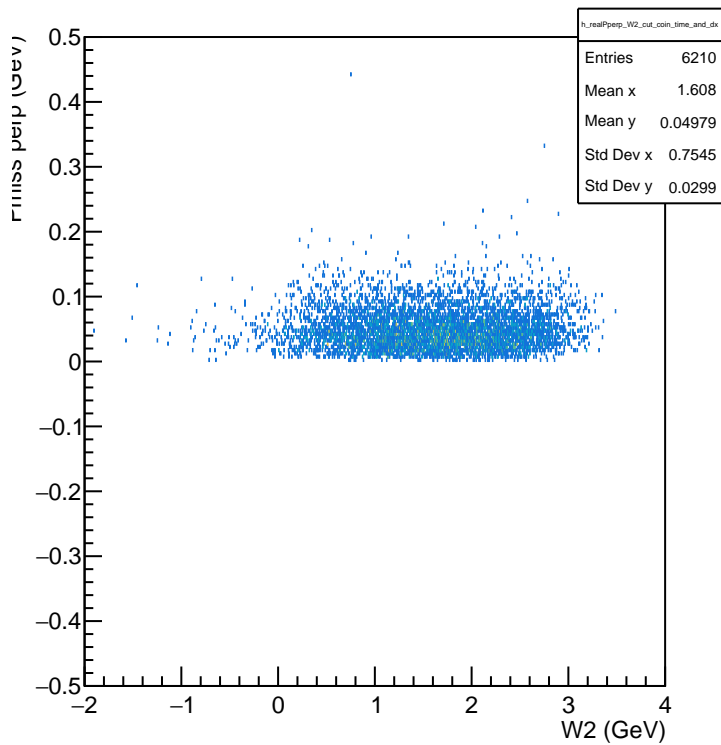
dx v W2 dist with coin time cut



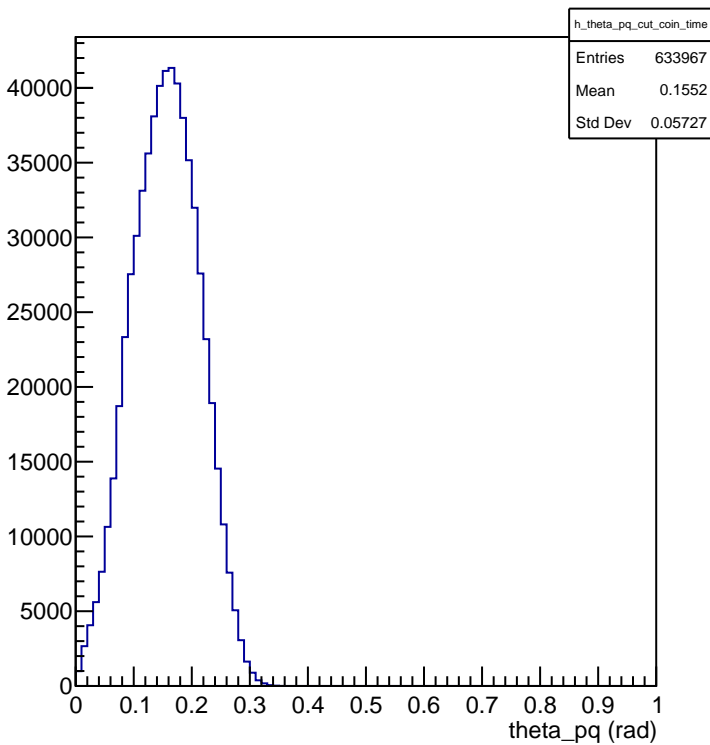
realPperp coin, dx and dy cuts



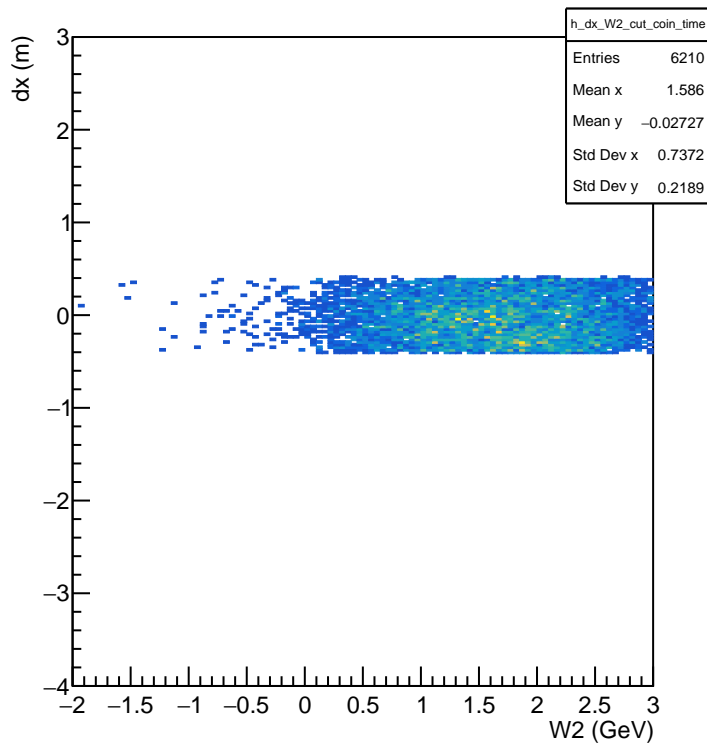
realPperp v W2 dist coin, dx and dy cuts



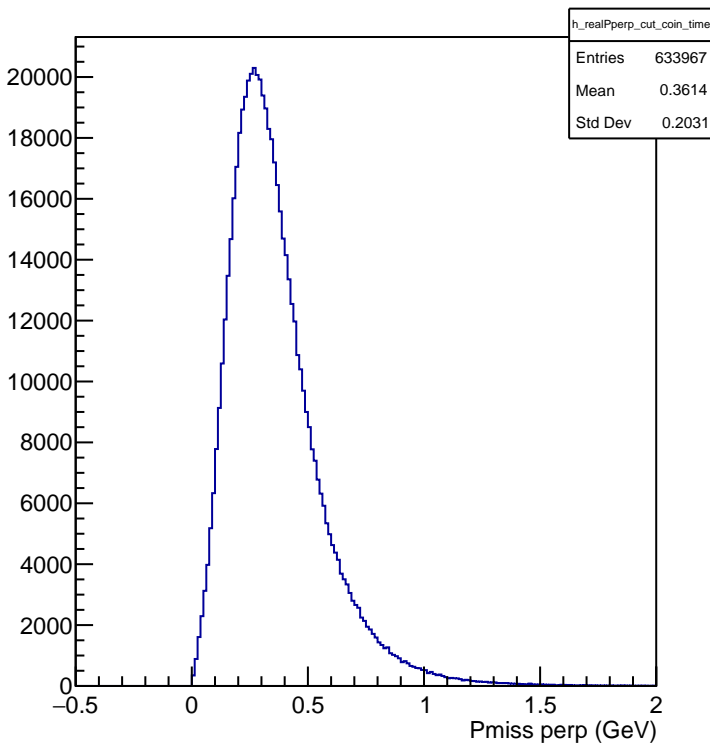
theta_pq only with coin cut



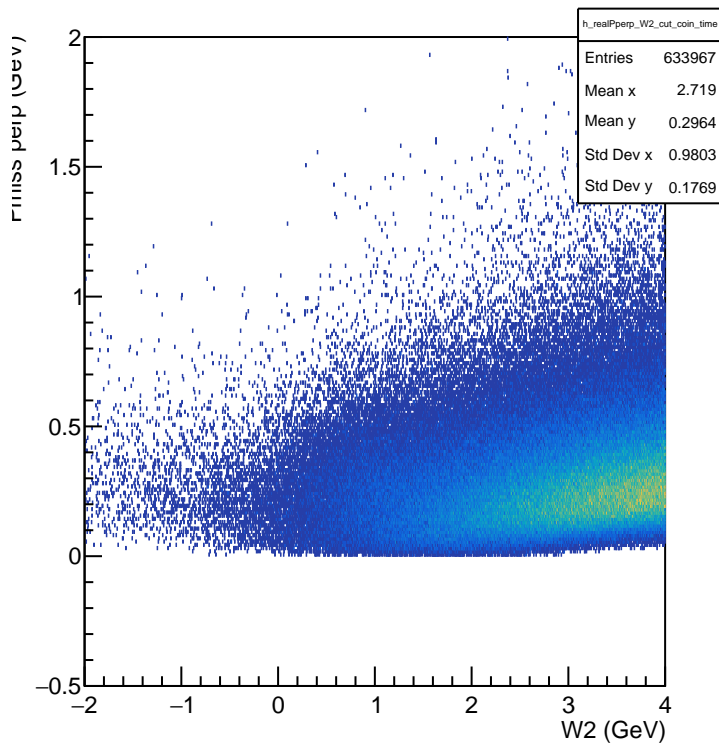
dx v W2 dist with coin time cut



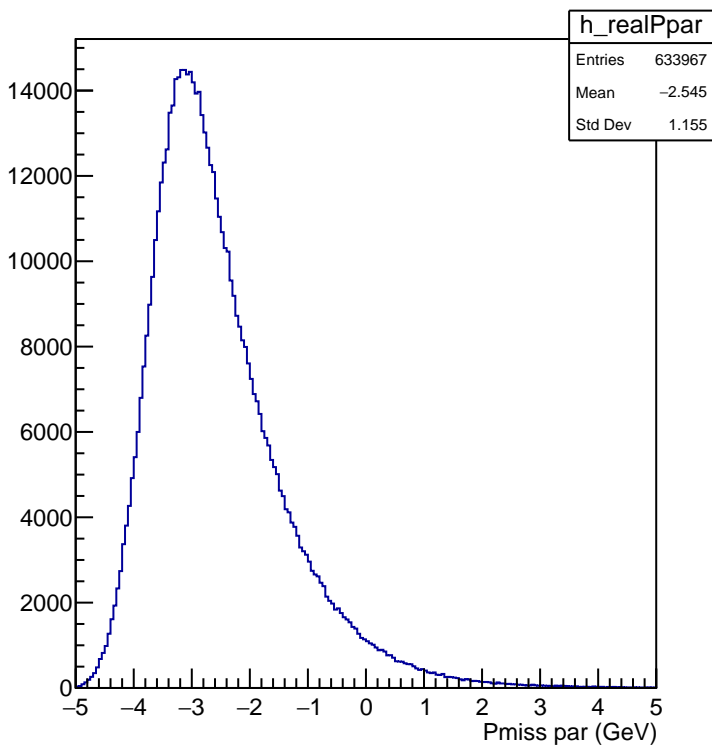
realPperp only with coin cut



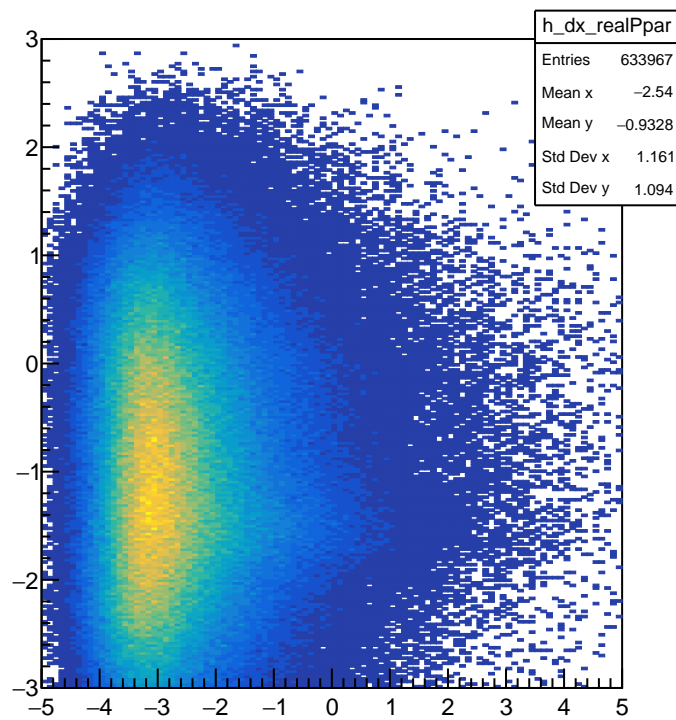
realPperp v W2 dist only with coin cut



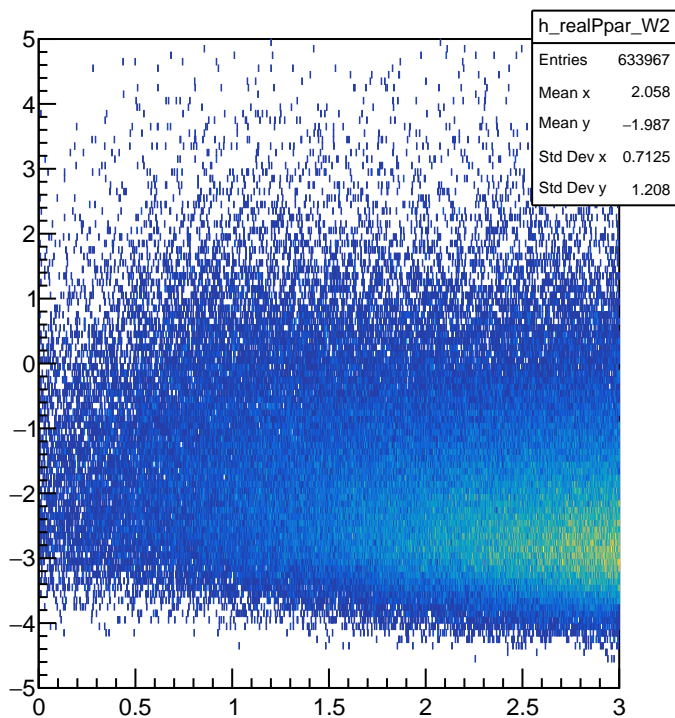
realPpar only with cointime cut



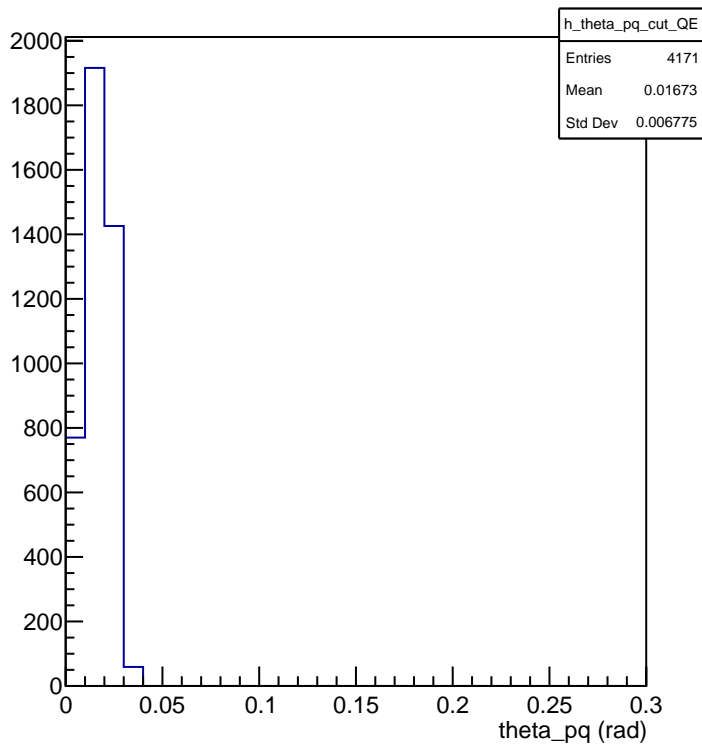
dx v realPpar dist only with cointime cut



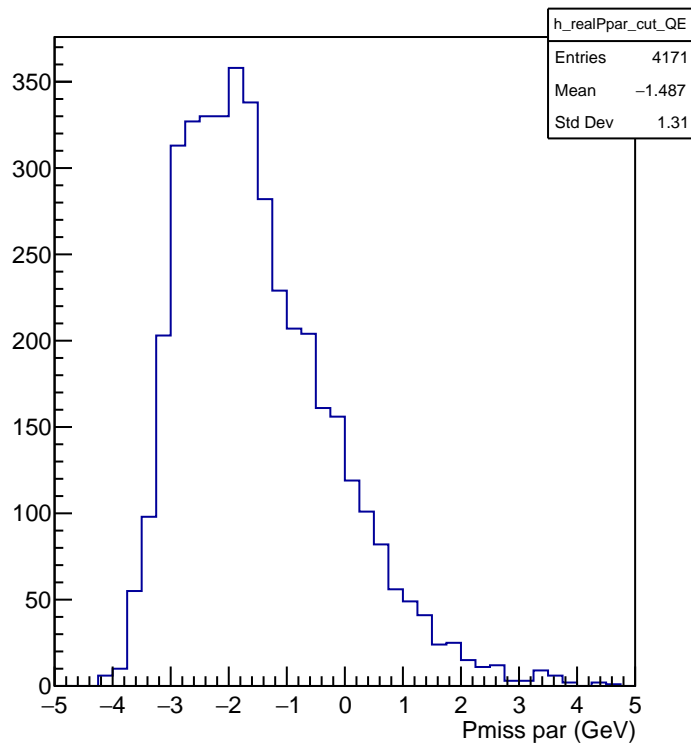
realPpar v W2 dist only with cointime cut



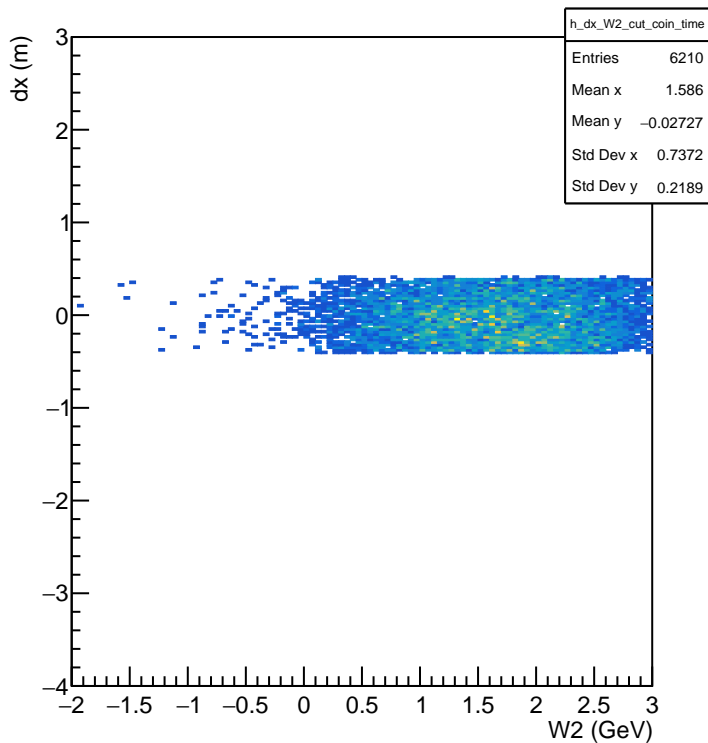
theta_pq with QE cuts



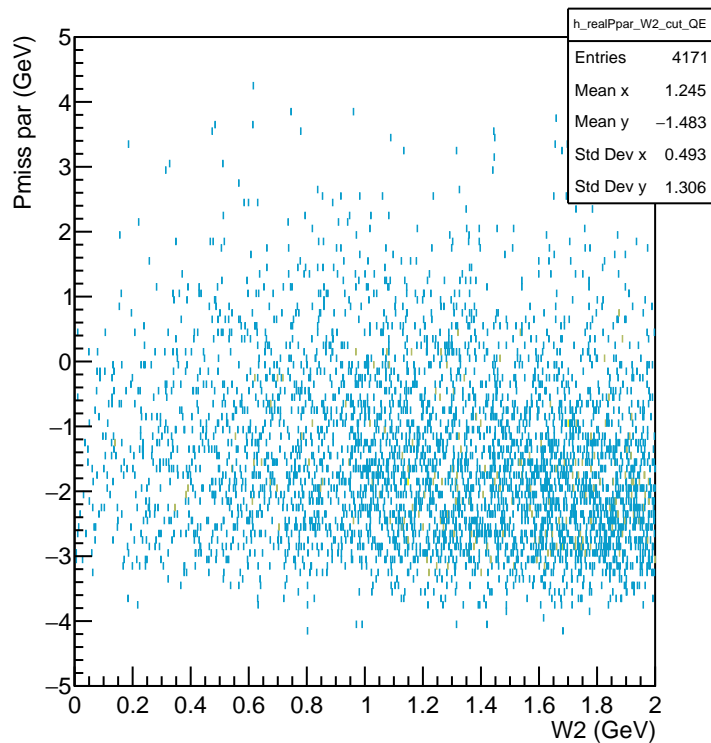
realPpar with QE cuts



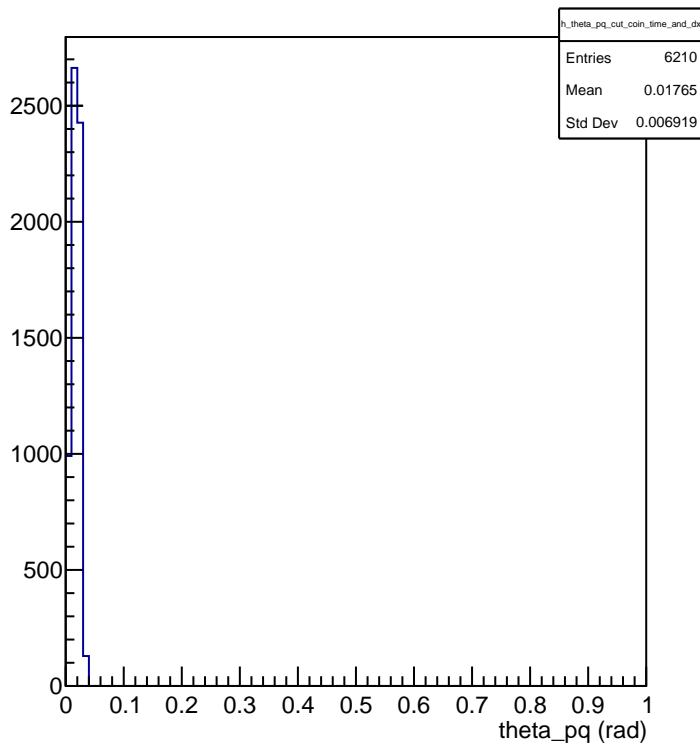
dx v W2 dist with coin time cut



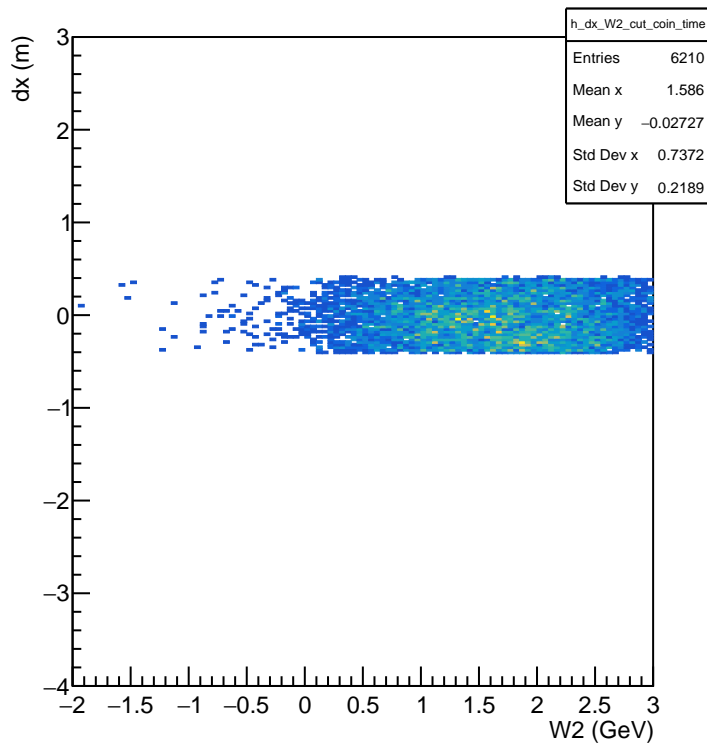
real Ppar v W2 dist with QE cuts



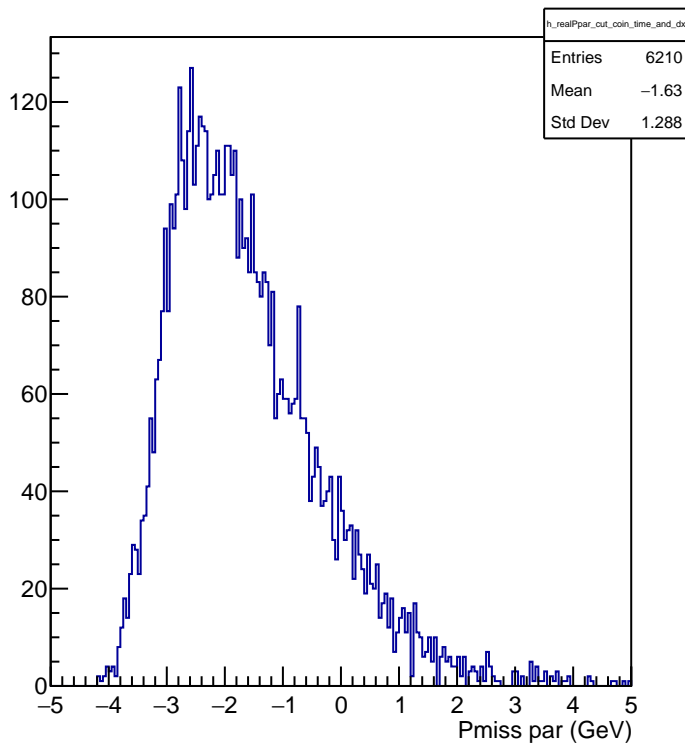
theta_pq coin, dx and dy cuts



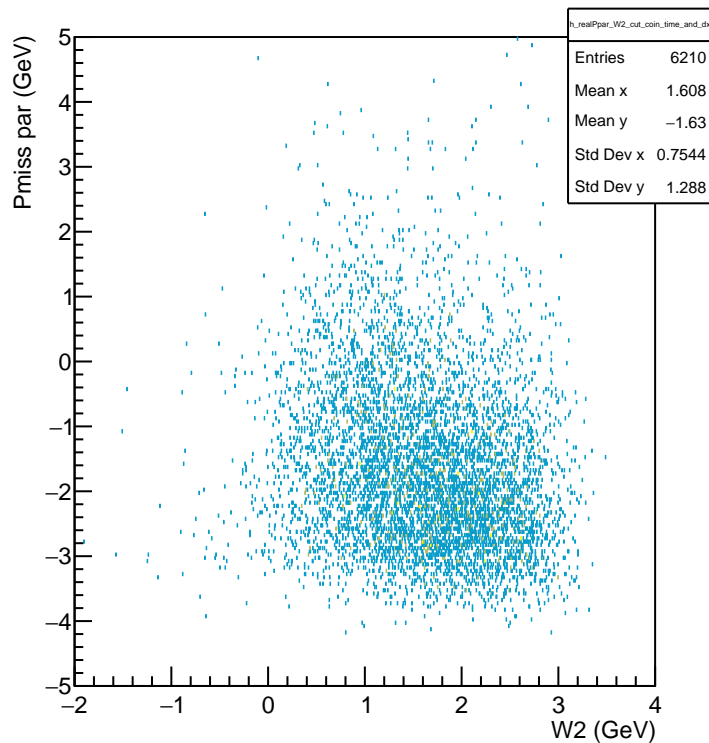
dx v W2 dist with coin time cut



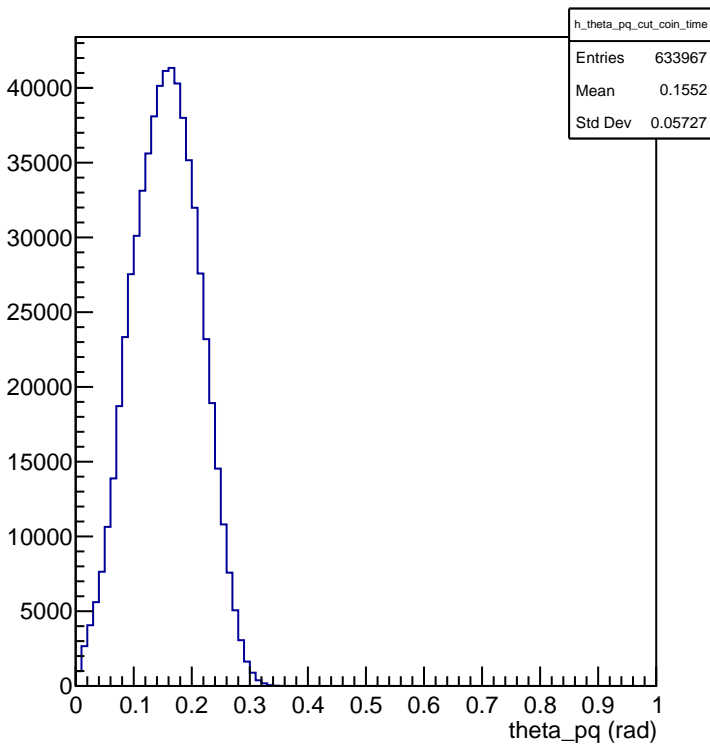
realPpar coin, dx and dy cuts



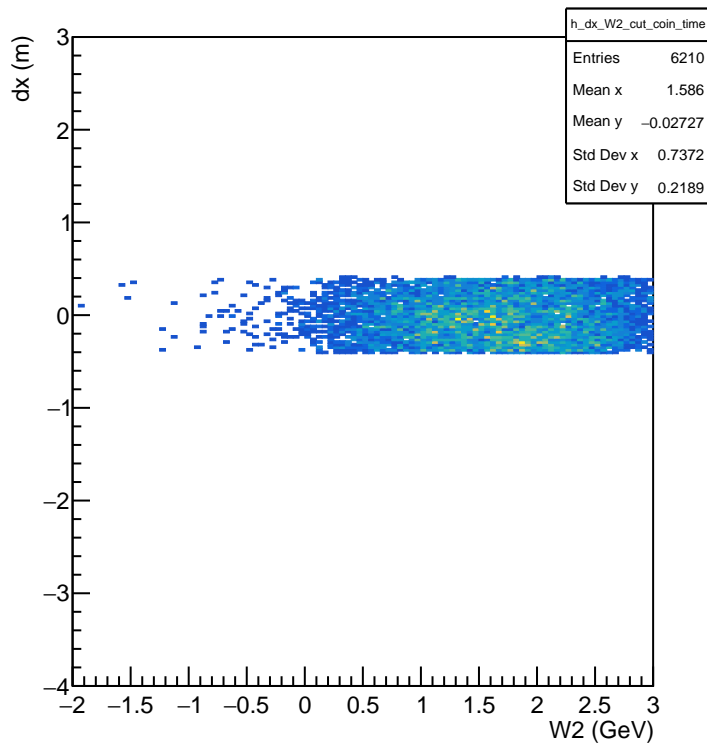
realPpar v W2 dist coin, dx and dy cuts



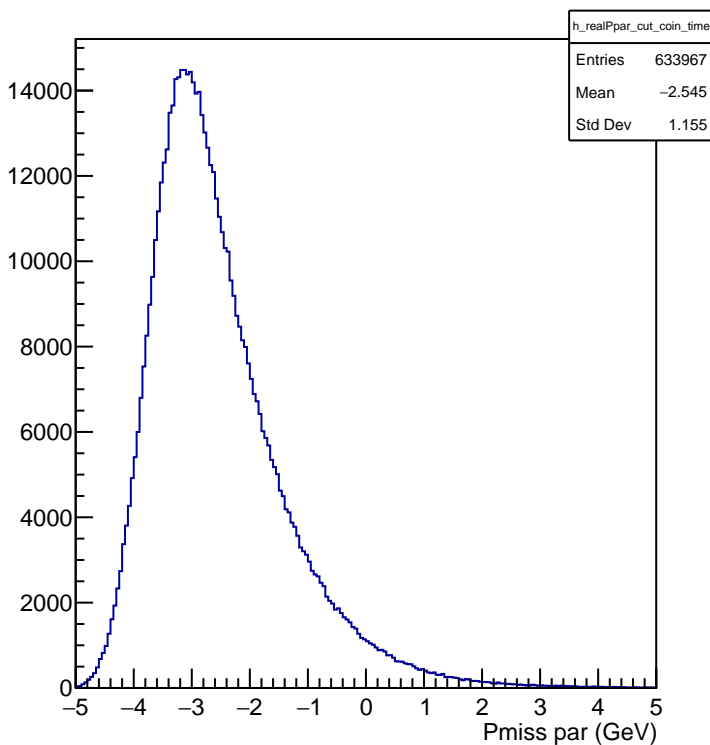
theta_pq only with coin cut



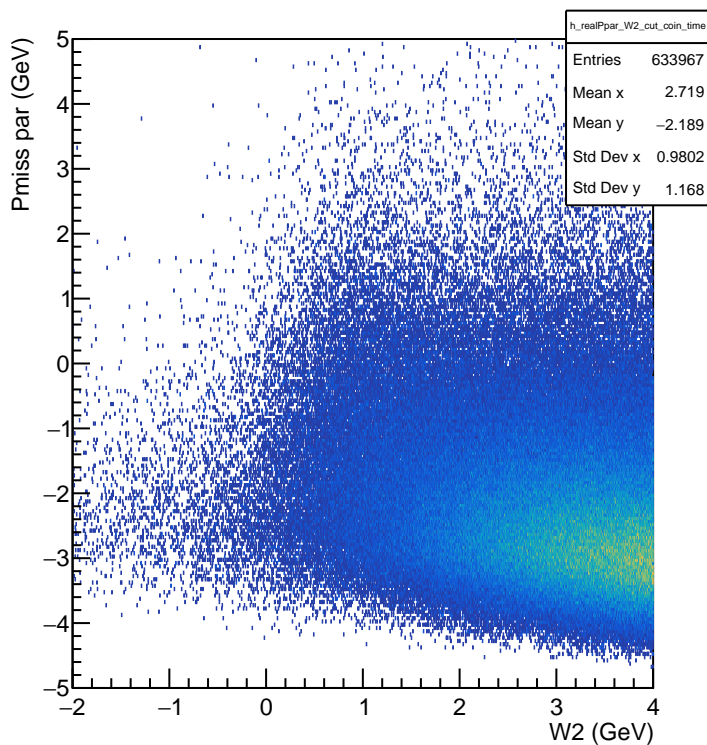
dx v W2 dist with coin time cut



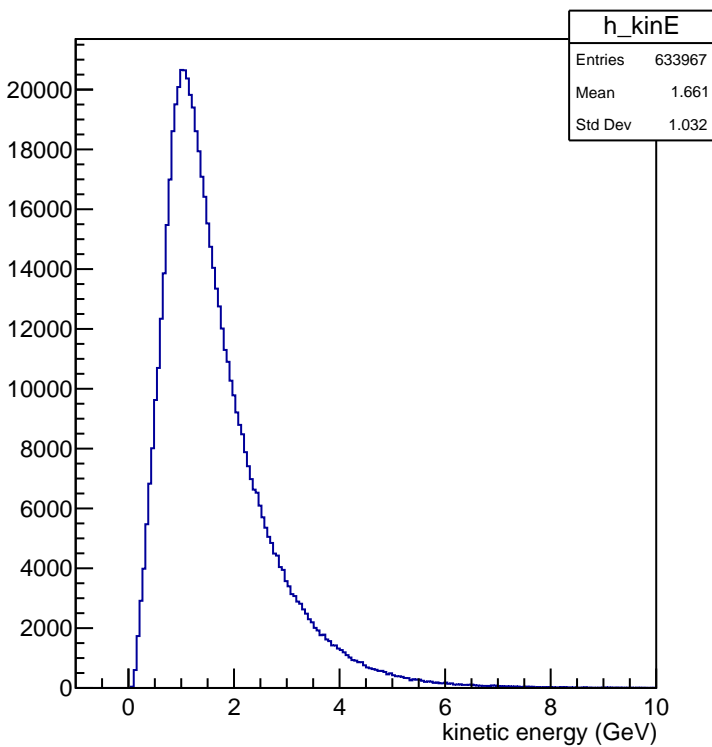
realPpar only with coin cut



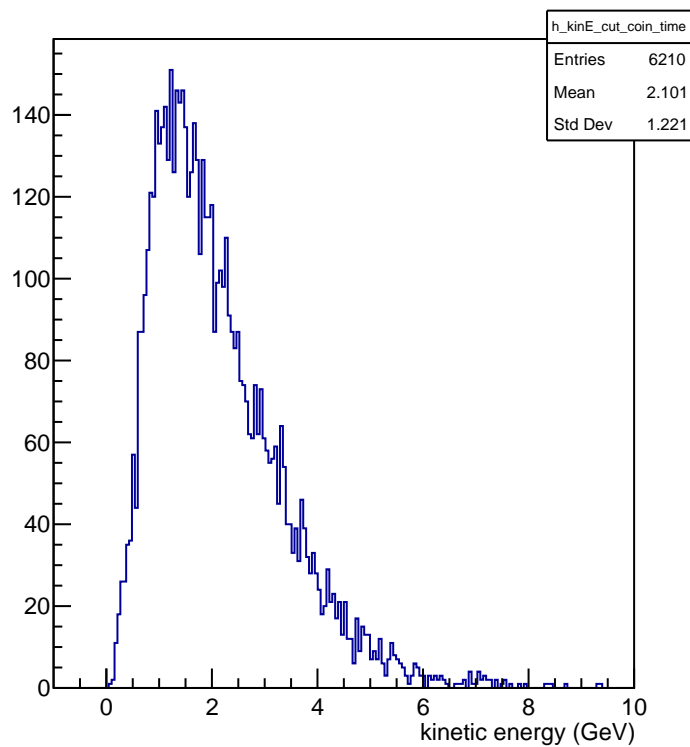
realPpar v W2 dist only with coin cut



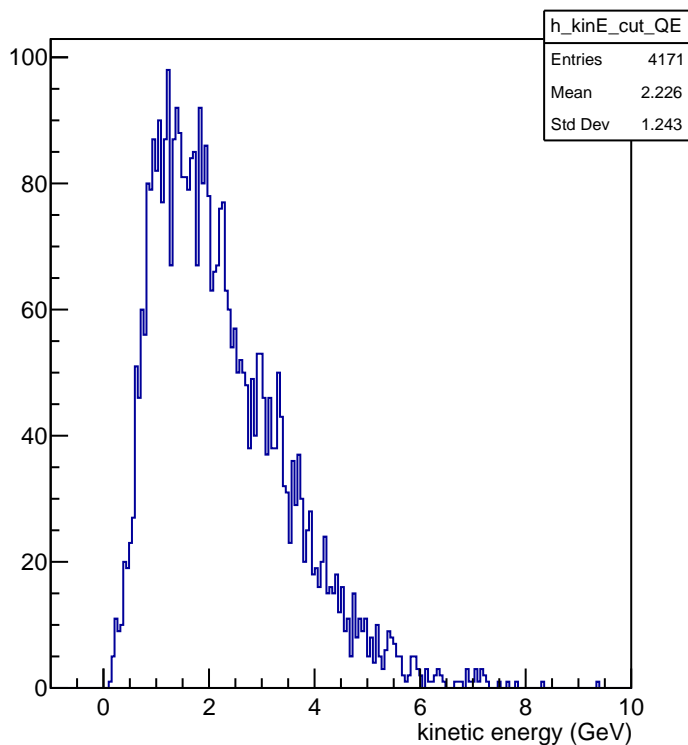
kinetic energy



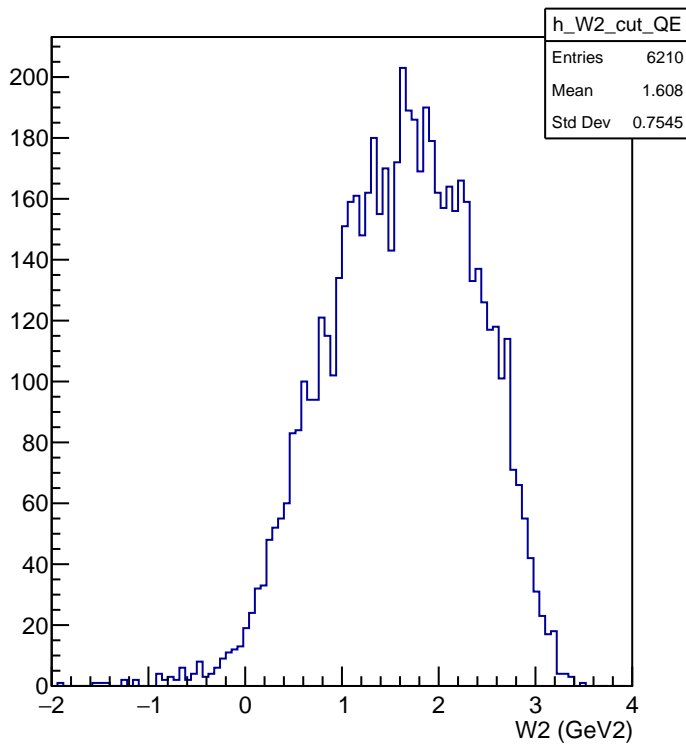
kinetic energy with cointime cut



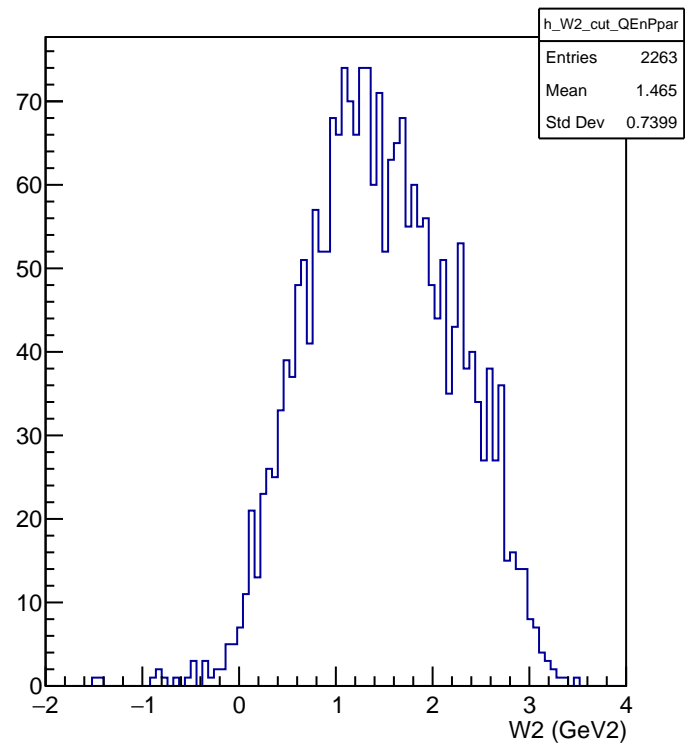
kinetic energy with QE cuts



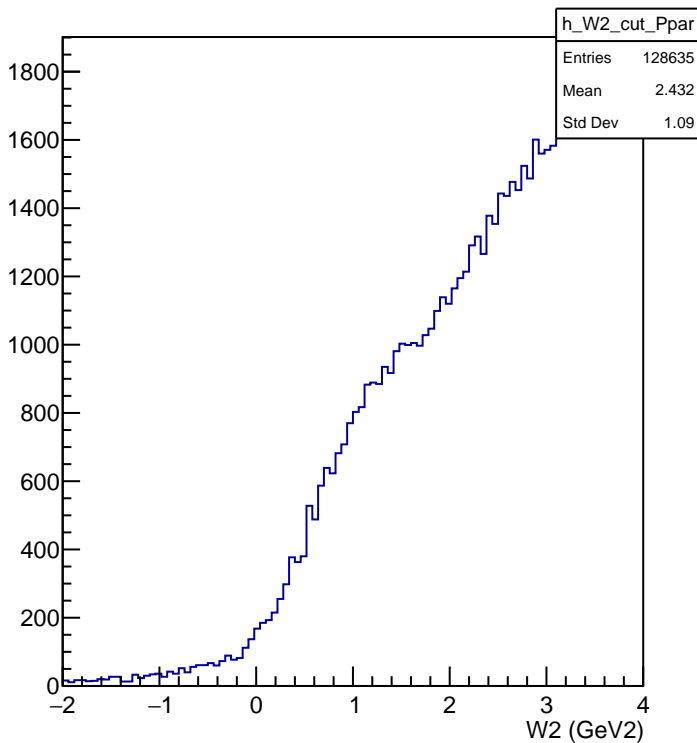
W2 distribution with coin, dx, and dy



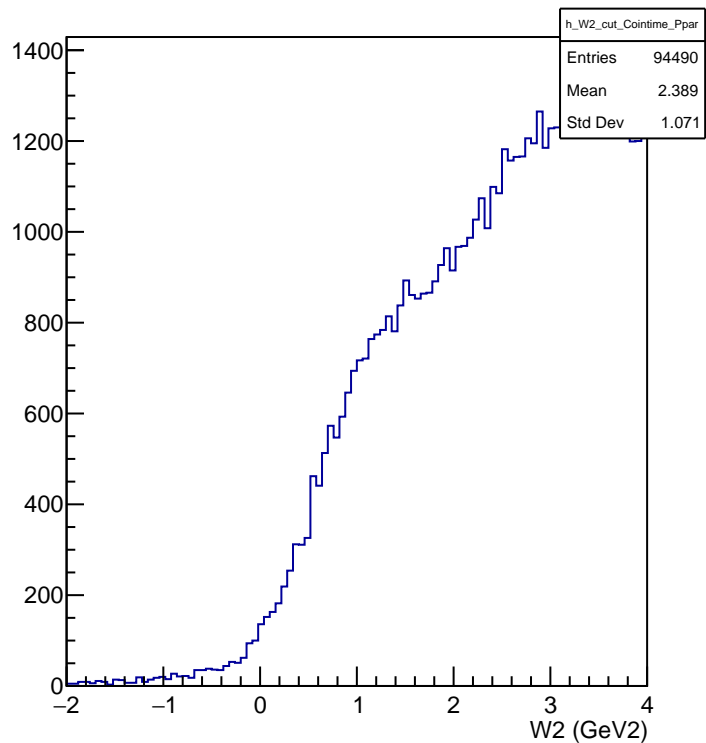
W2 distribution with coin, dx, dy and Ppar cuts



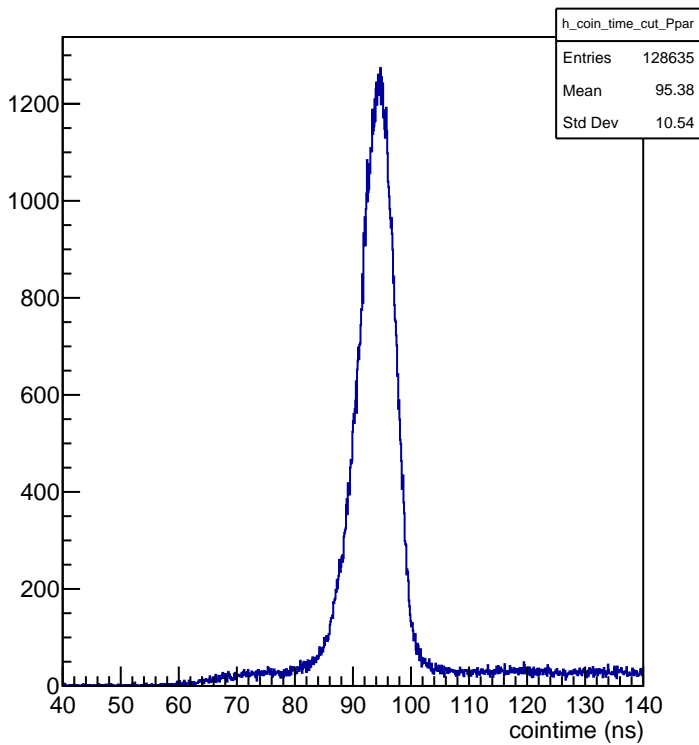
W2 distribution only with Ppar cut



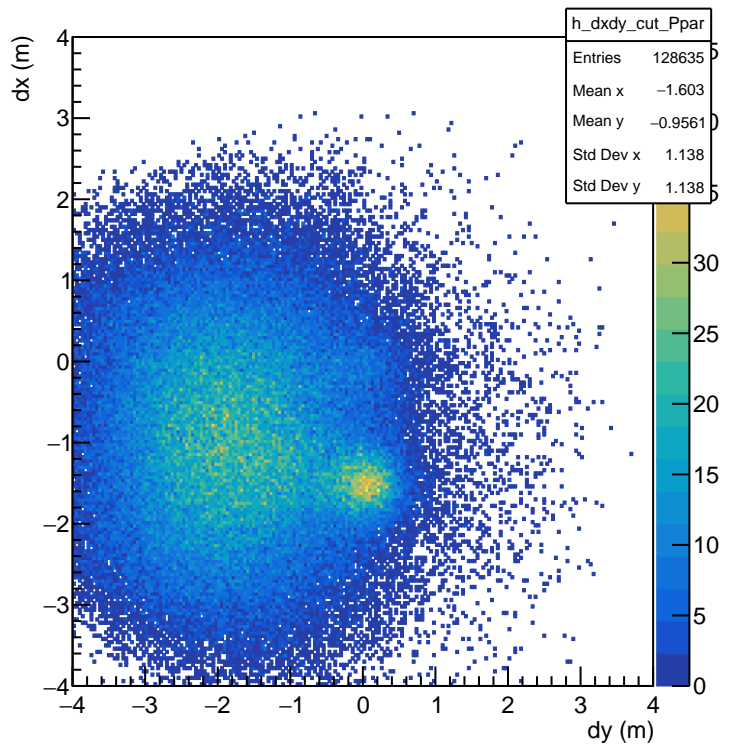
W2 distribution with Cointime and Ppar cut



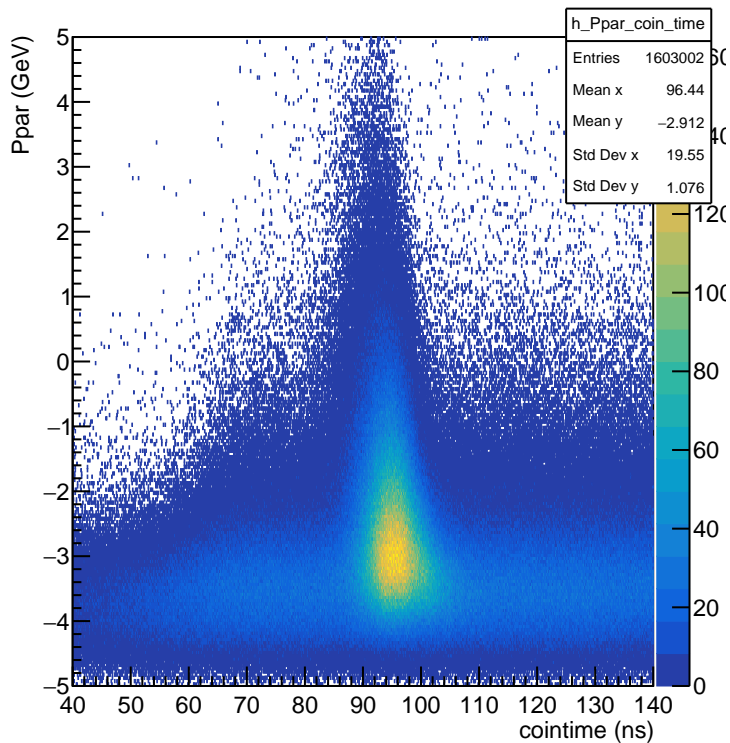
cointime distribution only with Ppar cut



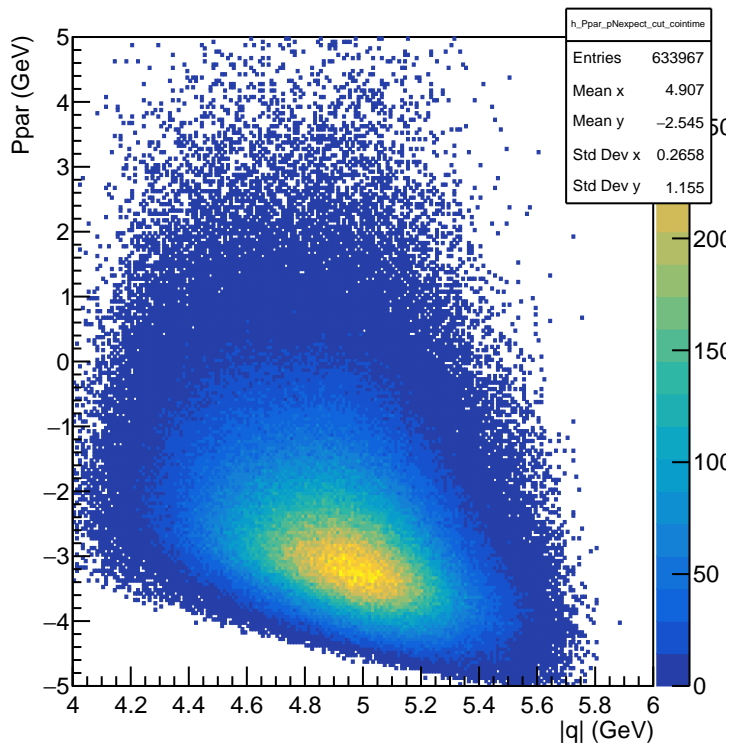
dx dy only with Ppar cut



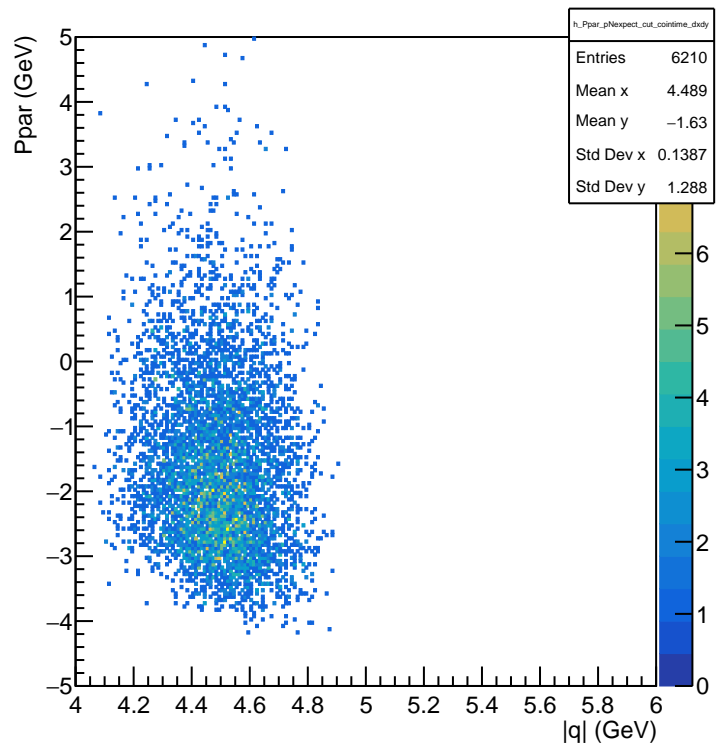
Ppar v cointime distribution



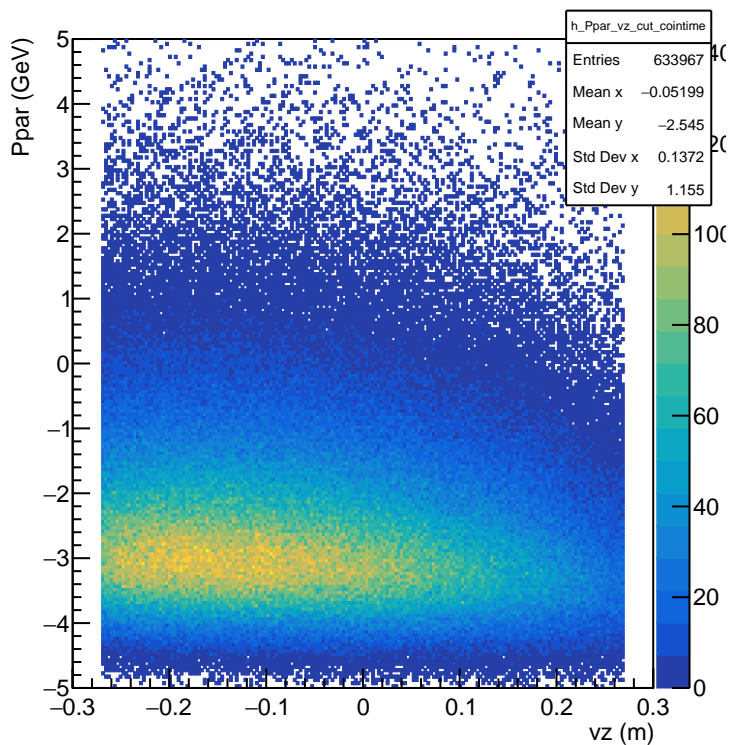
Ppar v |q| only with coin cut



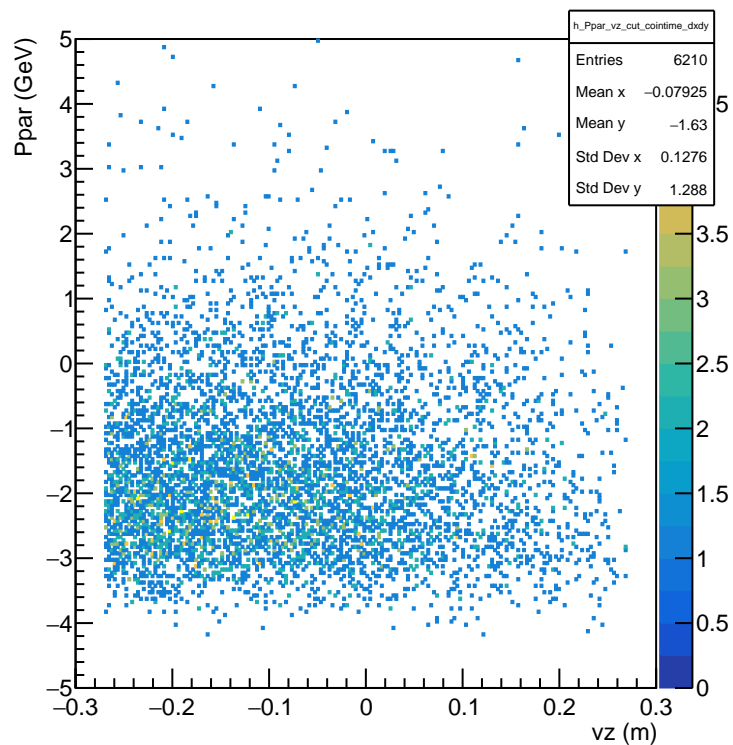
Ppar v |q| with coin, dx and dy cuts



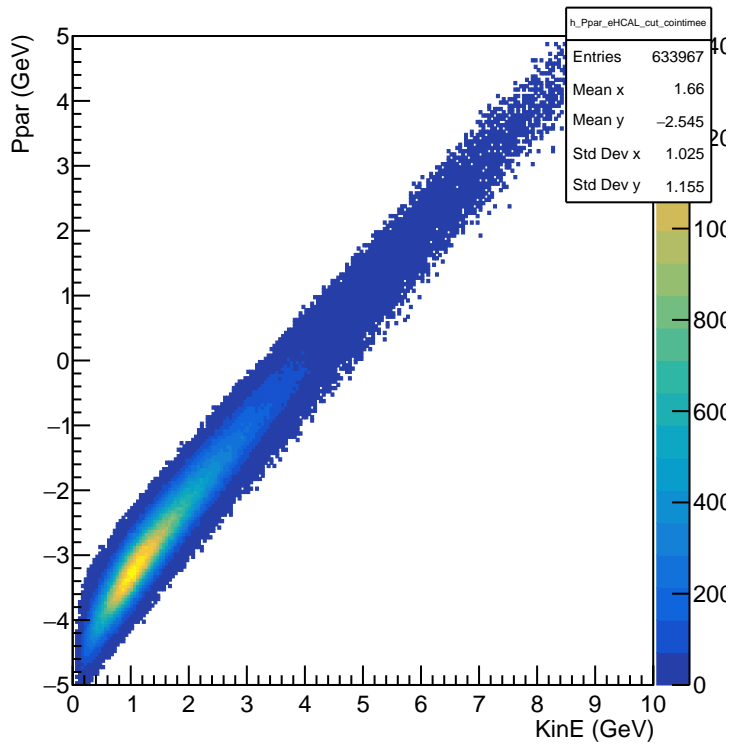
Ppar v vz only with coin cut



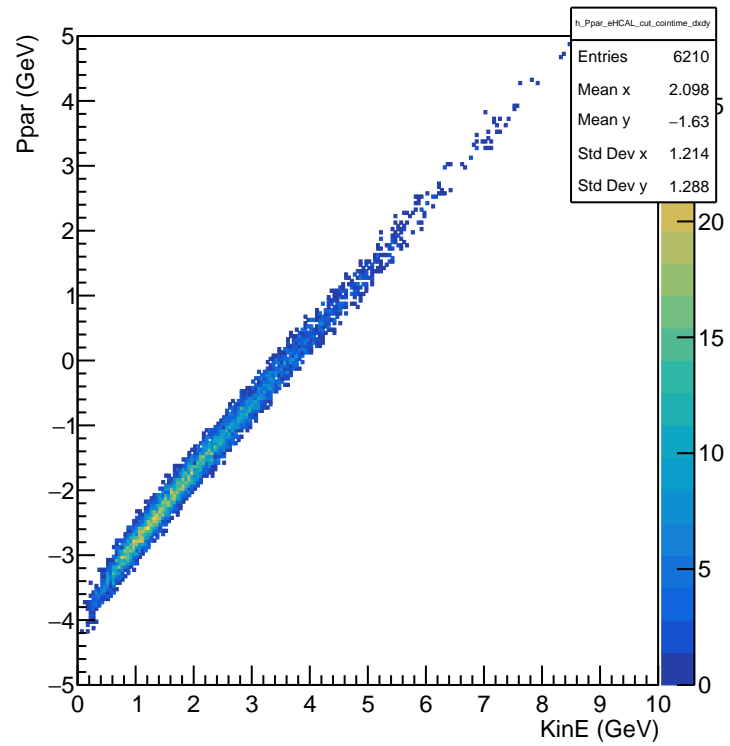
Ppar v vz with coin, dx and dy cuts



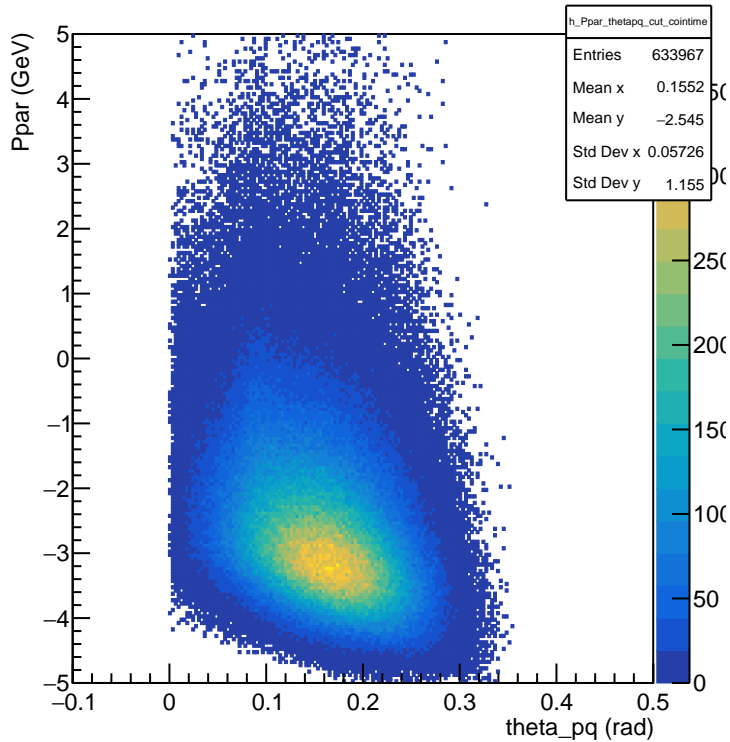
Ppar v eHCAL (KinE) only with coin cut



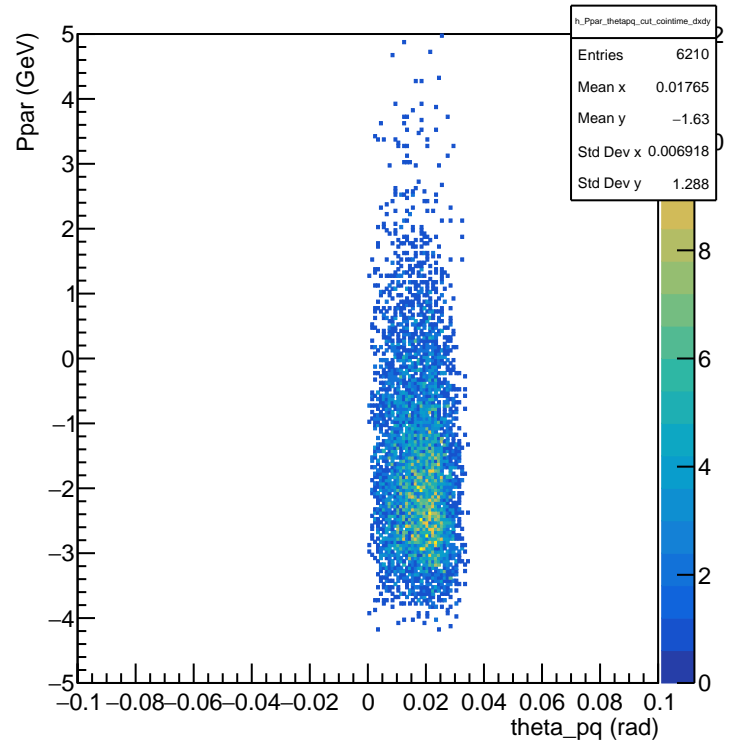
Ppar v eHCAL (KinE) with coin, dx and dy cuts



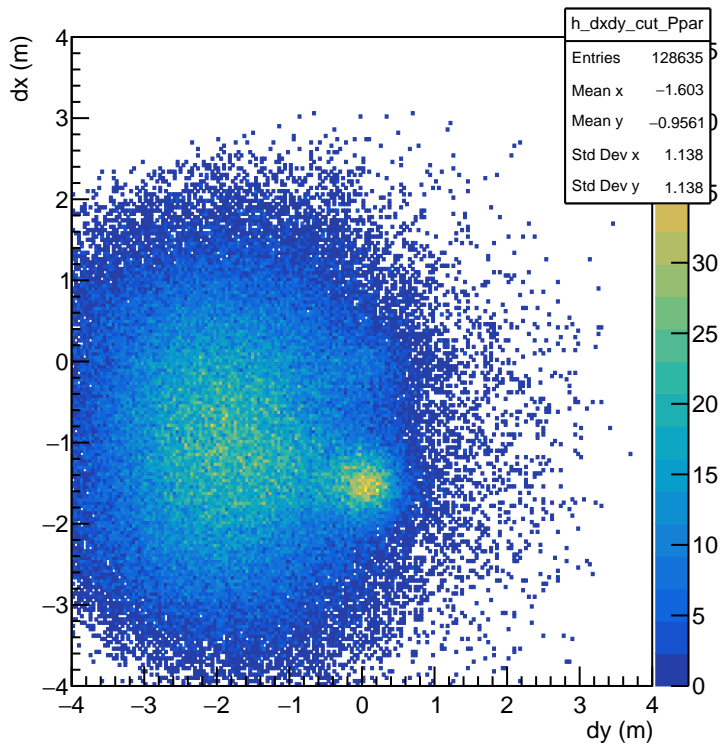
Ppar v theta_pq only with coin cut



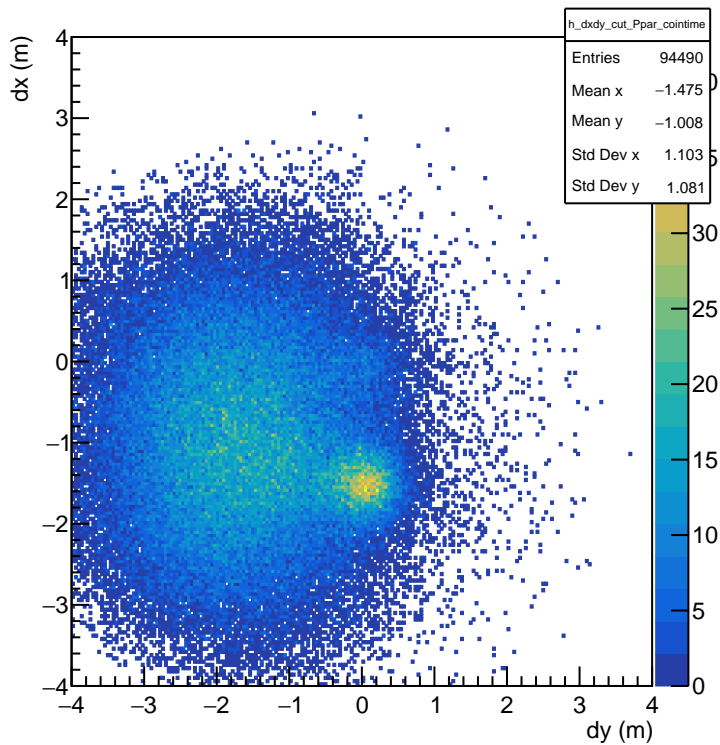
Ppar v theta_pq with coin, dx and dy cut



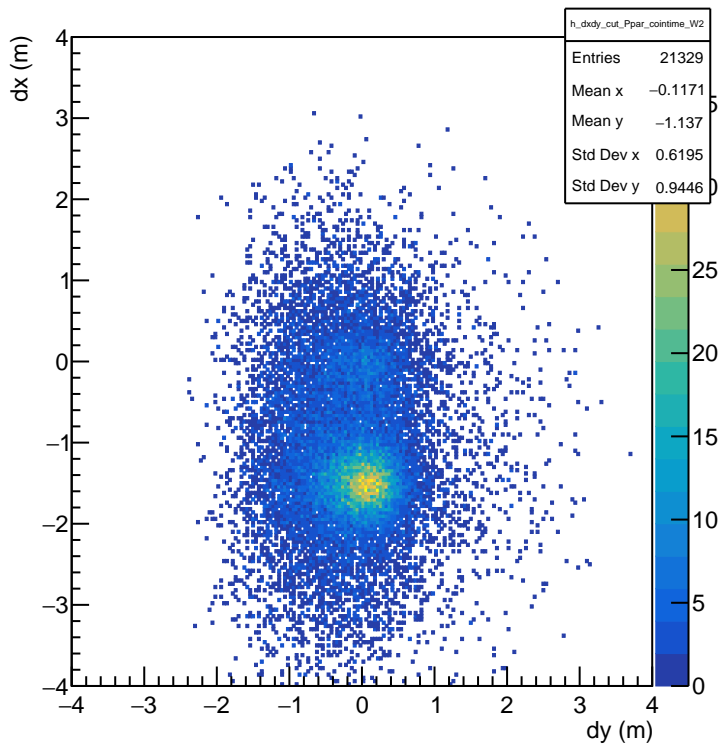
dx dy only with Ppar cut



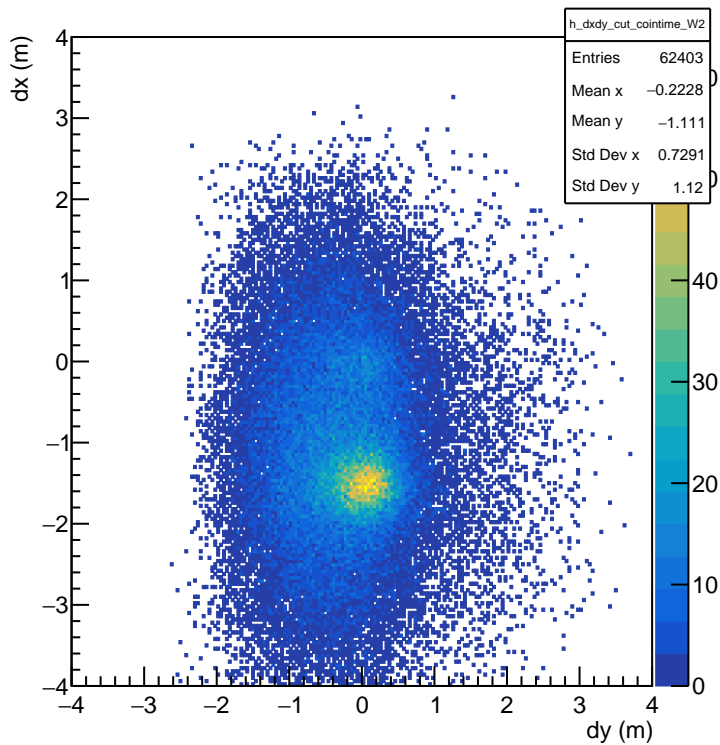
dx dy Ppar and cointime cut



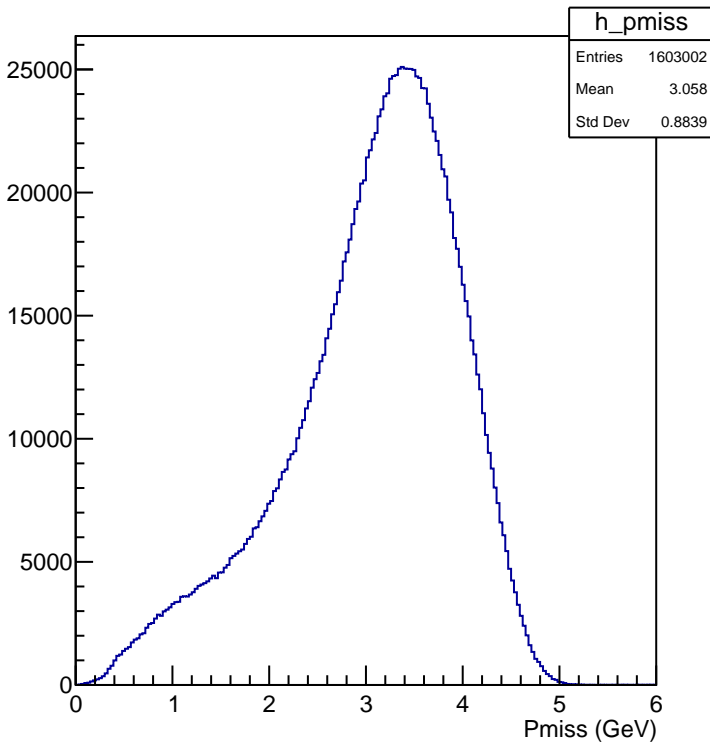
dx dy Ppar, cointime and W2 cut



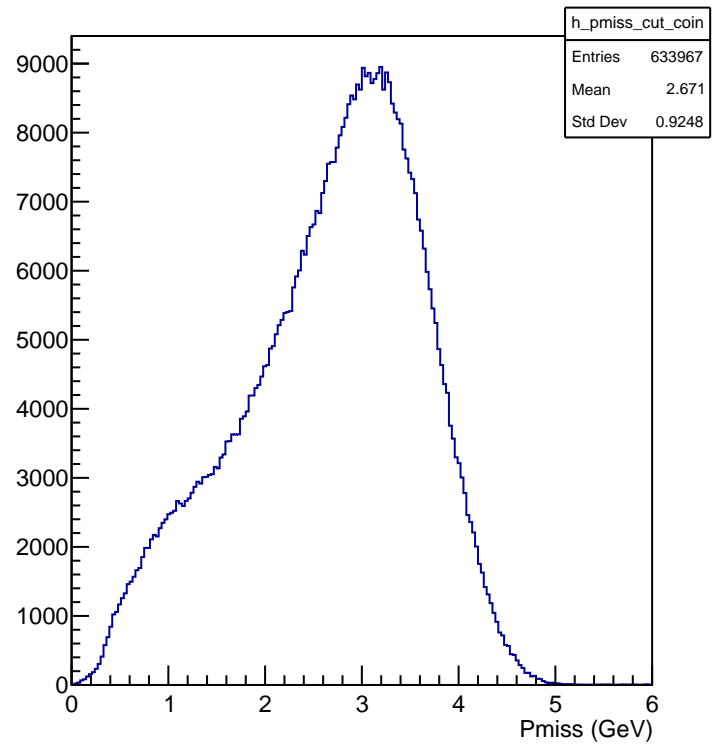
dx dy with cointime and W2 cuts



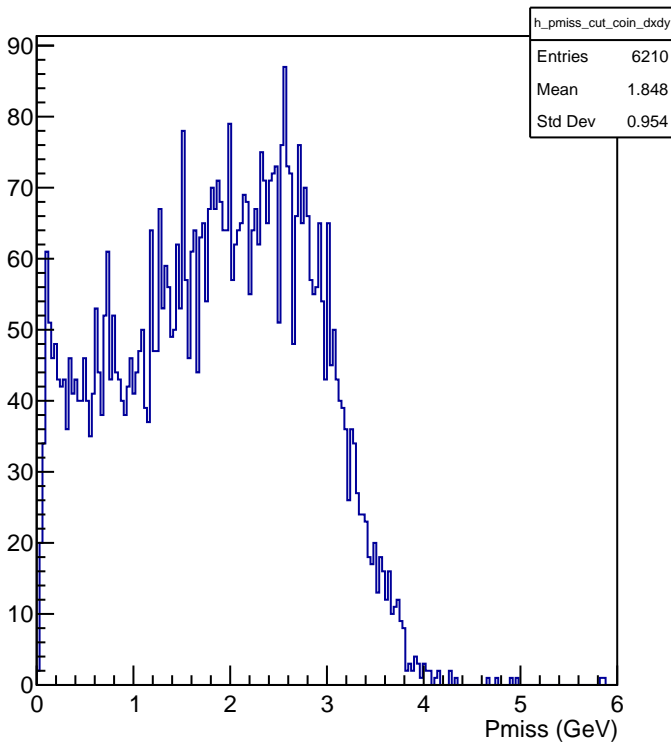
Pmiss distribution



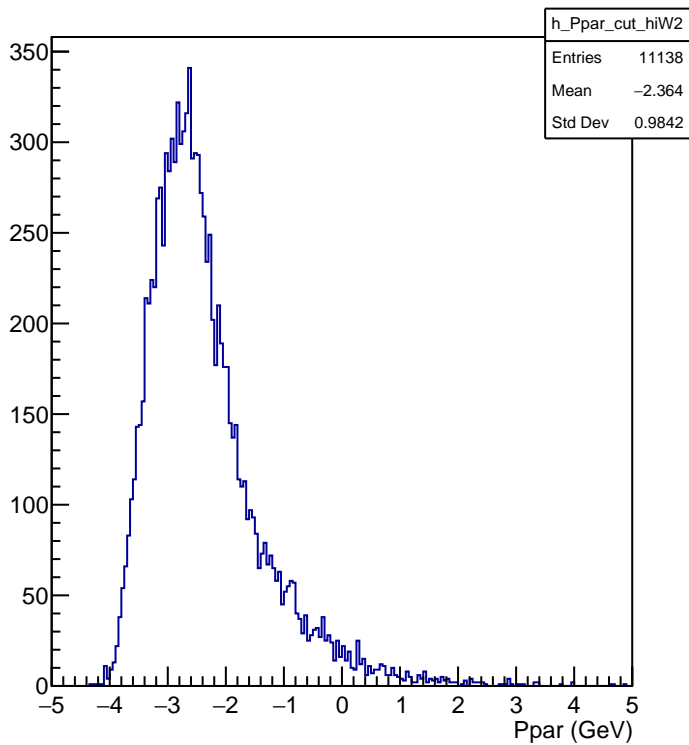
Pmiss distribution only with cointime cut



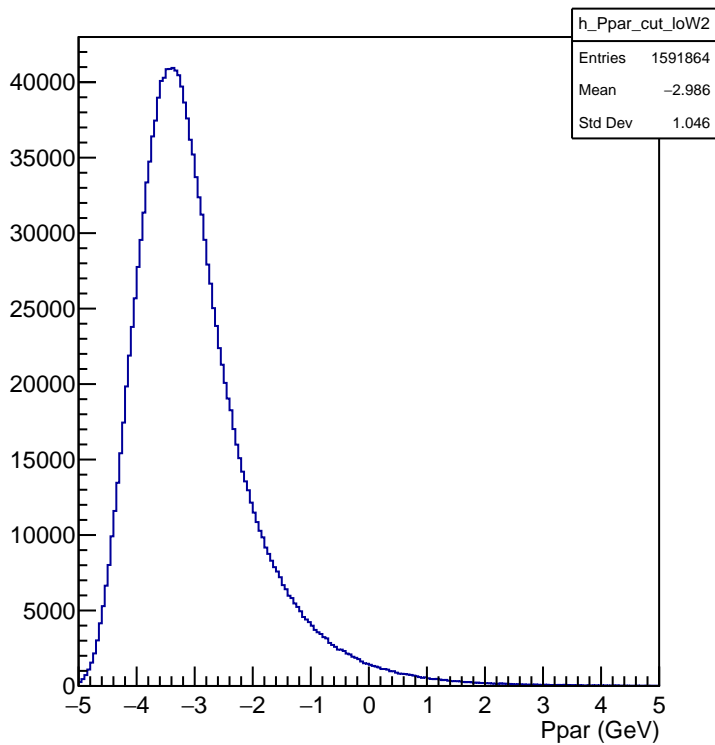
Pmiss distribution with cointime, dx and dy cuts



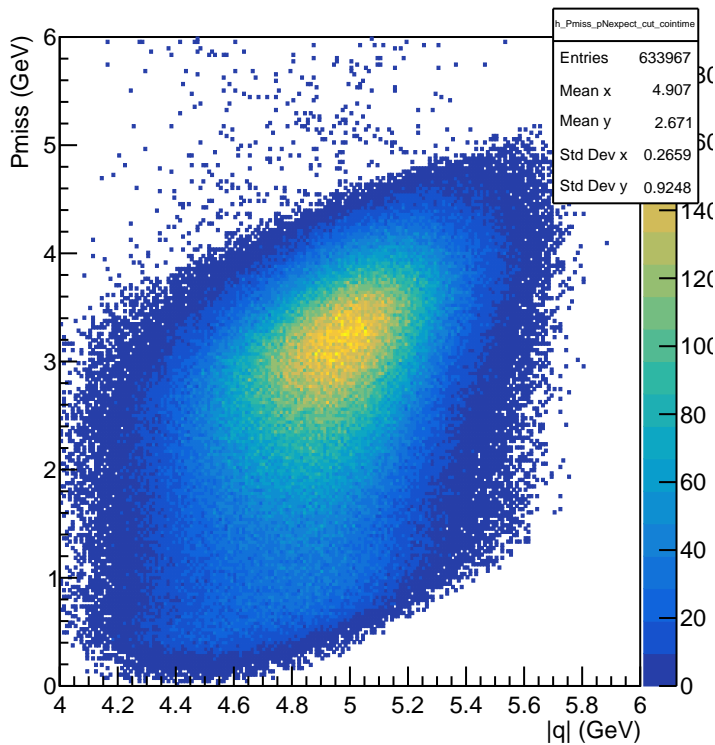
Ppar distribution for $W2 < 0$



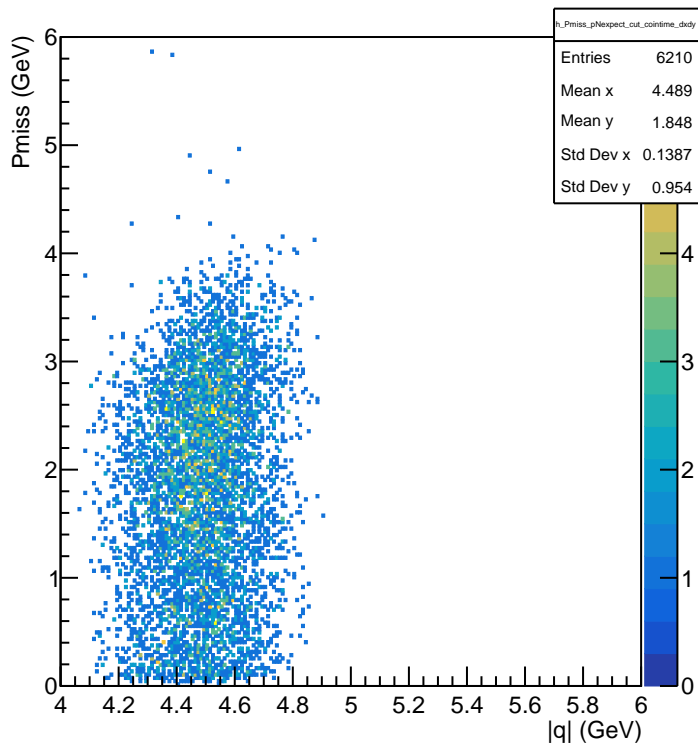
Ppar distribution for $W2 \geq 0$



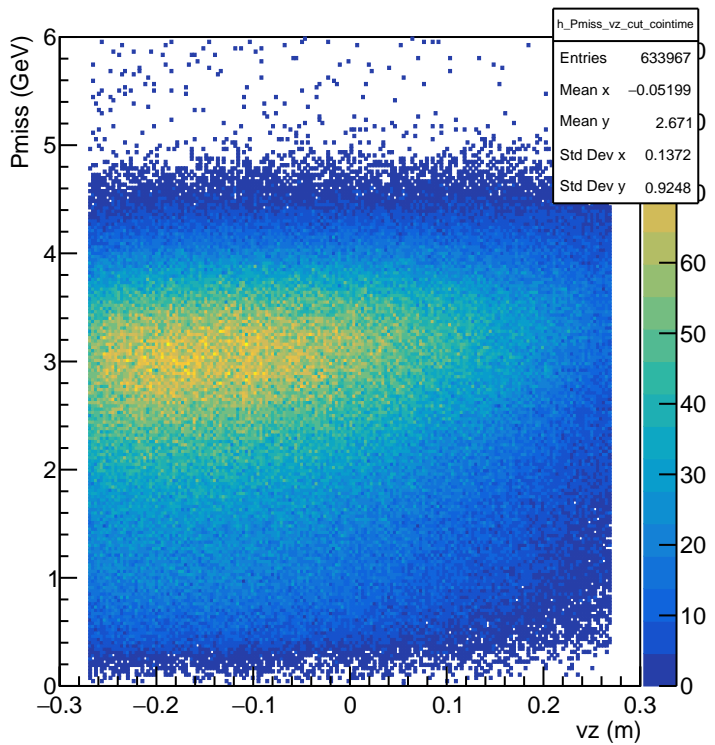
Pmiss v |q| only with coin cut



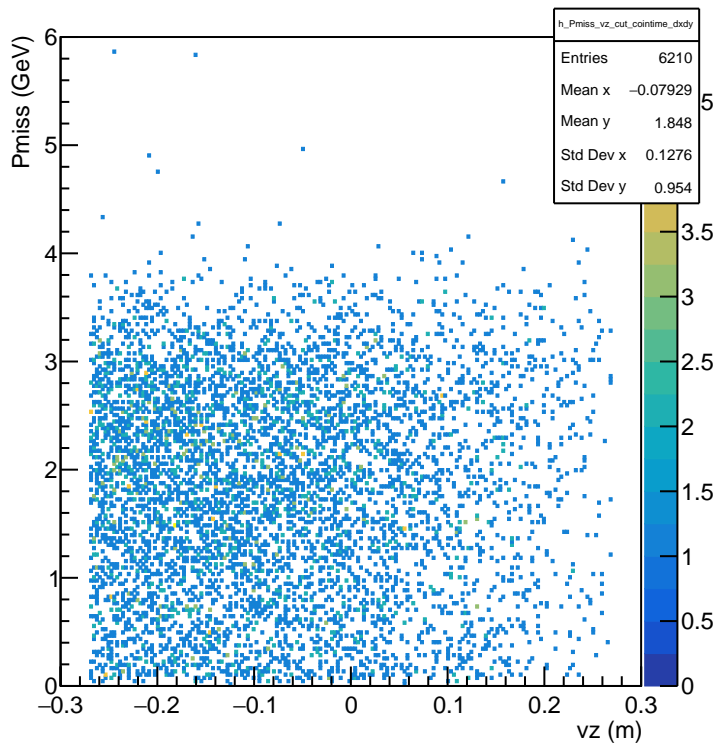
Pmiss v |q| with coin, dx and dy cuts



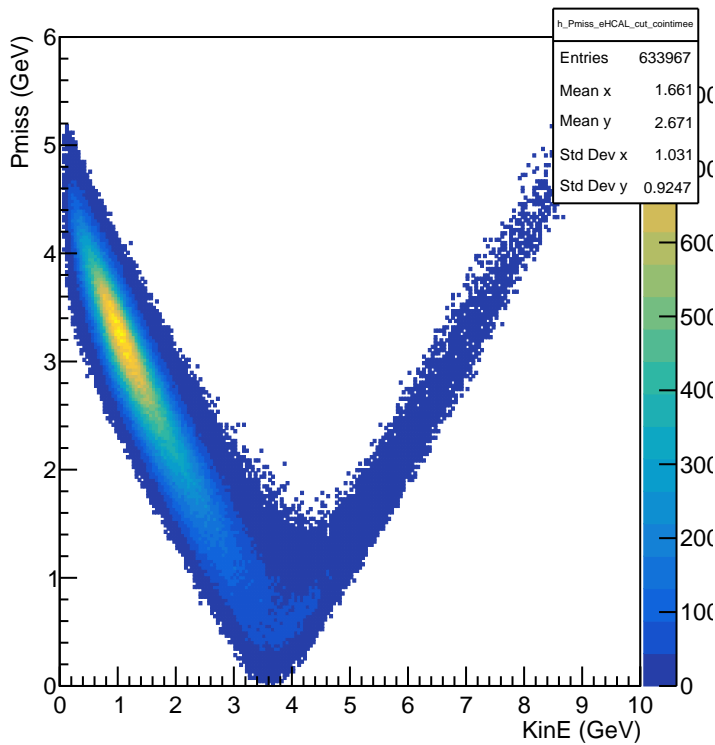
Pmiss v vz only with coin cut



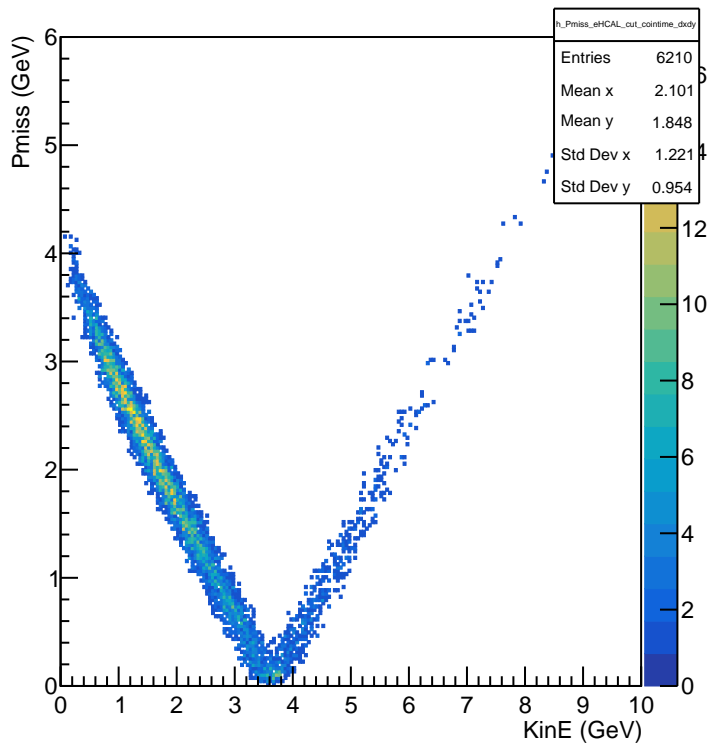
Pmiss v vz with coin, dx and dy cuts



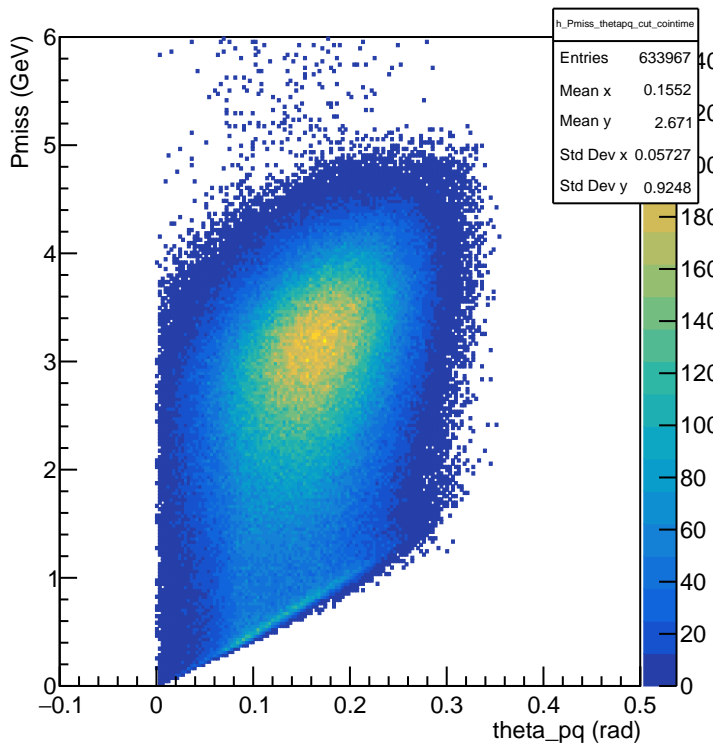
Pmiss v eHCAL (KinE) only with coin cut



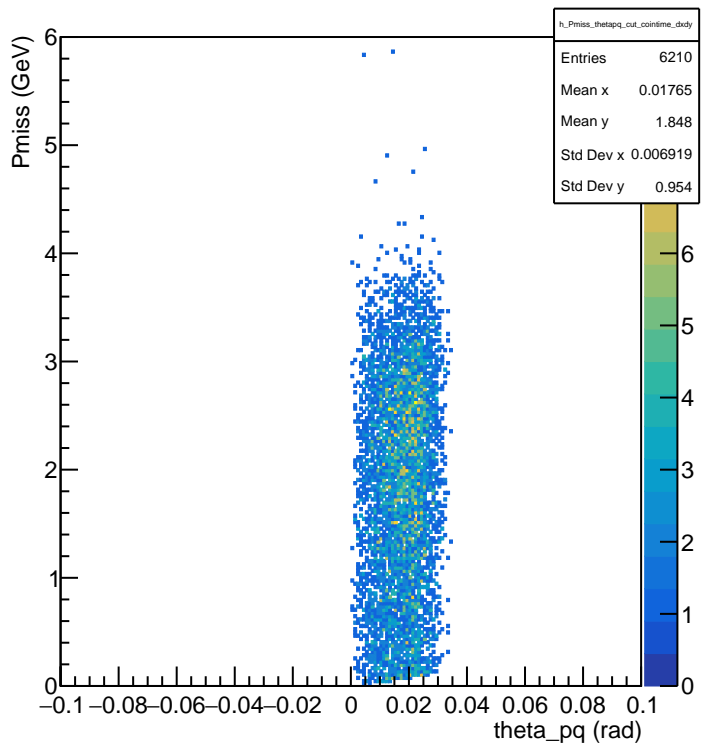
Pmiss v eHCAL (KinE) with coin, dx and dy cuts



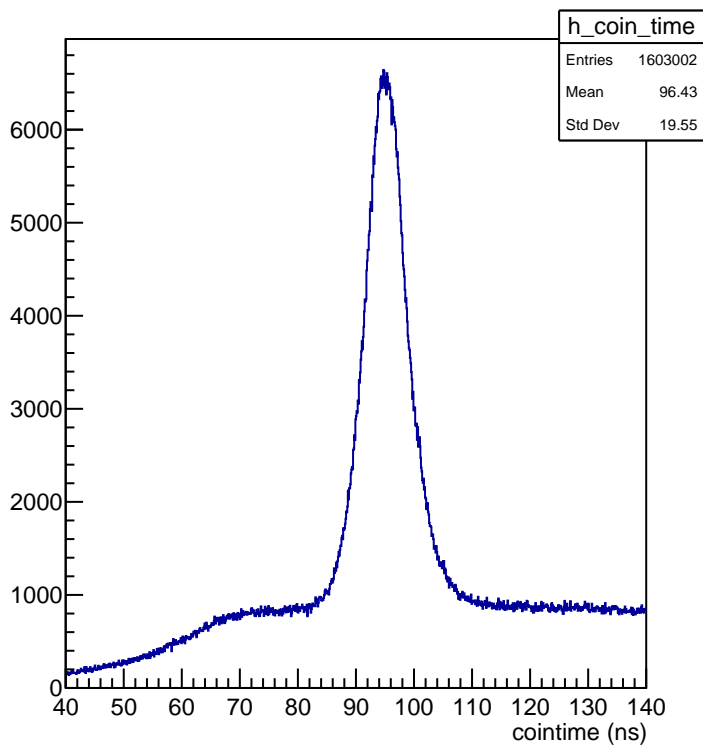
Pmiss v theta_pq only with coin cut



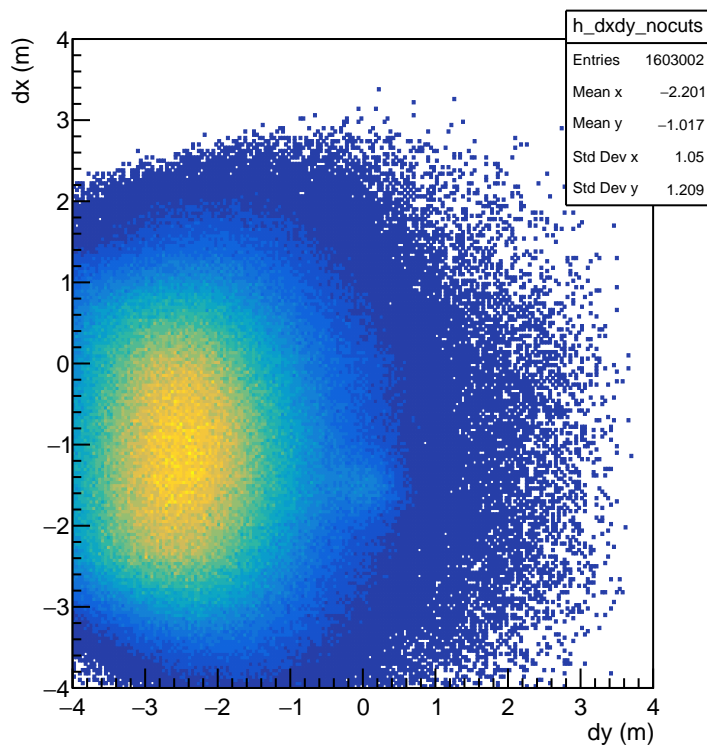
Pmiss v theta_pq with coin, dx and dy cut



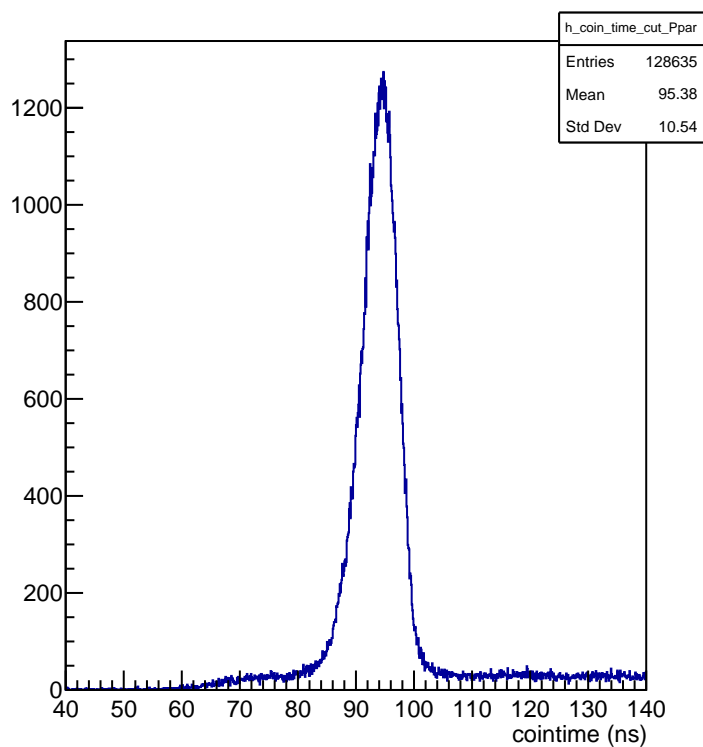
cointime (no cuts)



dxdy (no cuts)



cointime distribution only with Ppar cut



dxdy only with Ppar cut

