

Momentum distributions in T24/1 beam at DESY

From Martin Ljunggren's Master thesis (Lund, 2011)

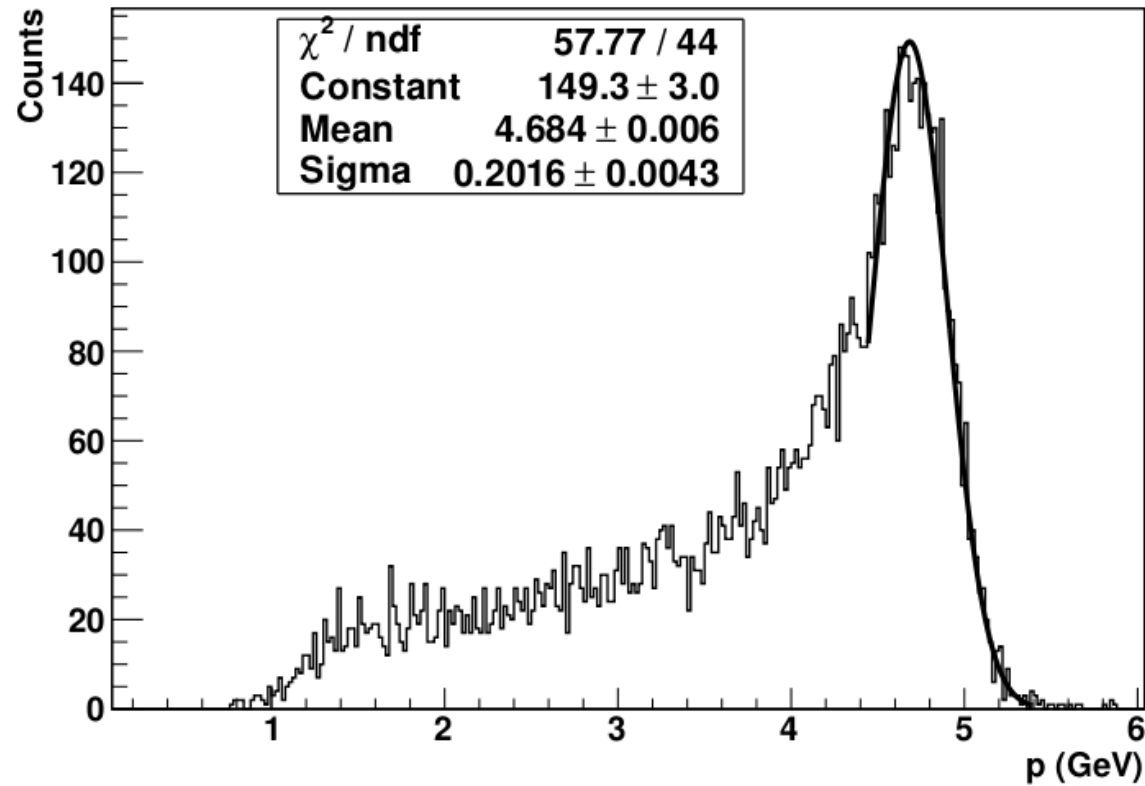
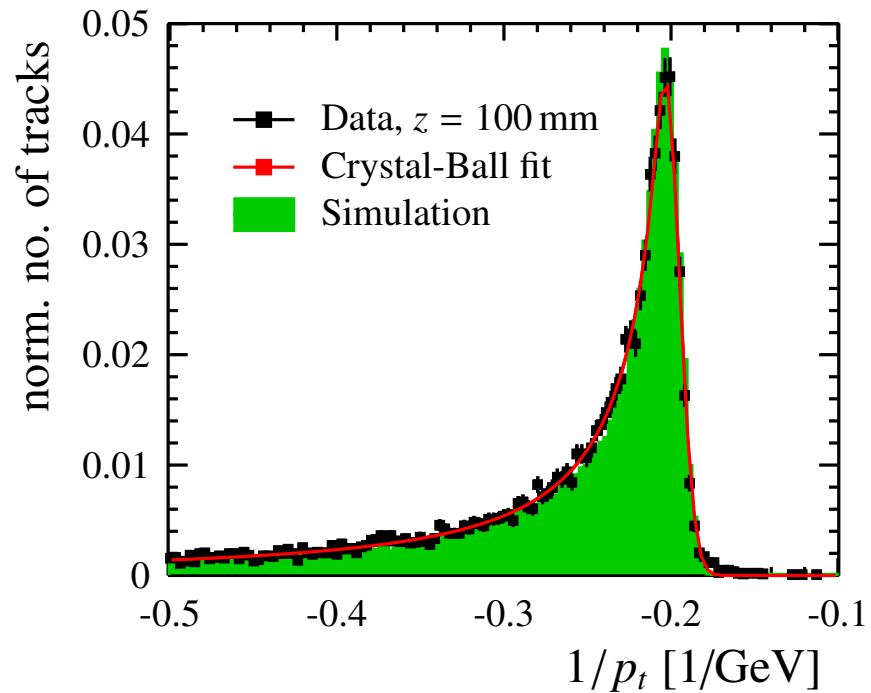
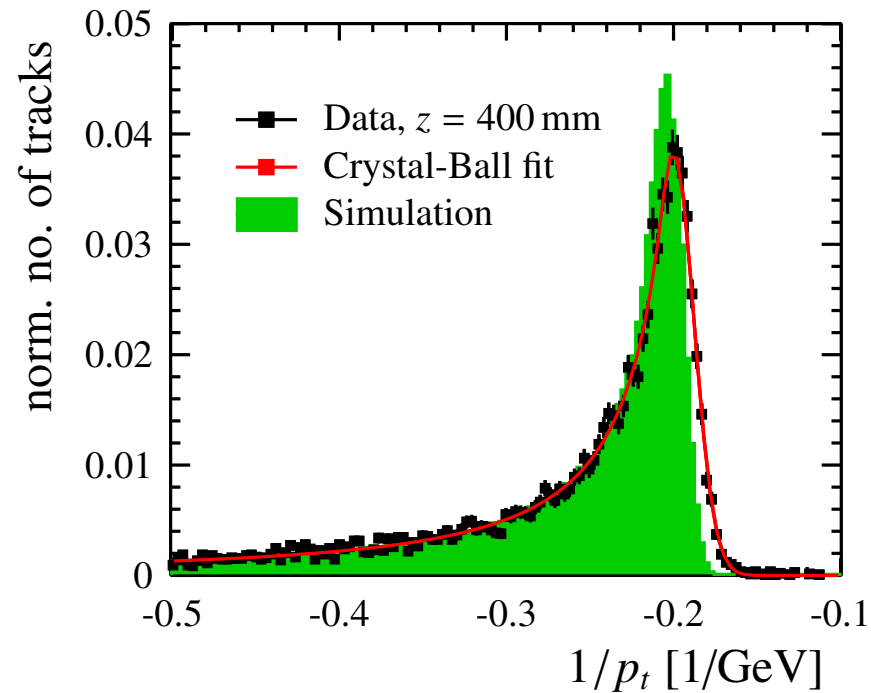


Figure 7.35: Momentum distribution from a run with a magnetic field of 1 T and a drift distance of 150 mm.

From Felix Mueller's PhD thesis (Hamburg/DESY, 2016)



(a) $z = 100$ mm



(b) $z = 400$ mm

Figure 6.38: Comparison of the particle momentum distribution derived from data (black) and simulation (green) for two different drift distances. The Crystal-Ball function is fitted to the data to determine the momentum resolution from the Gaussian part of the function.

From Uwe Mueller's PhD thesis (Hamburg/DESY, 2020)

- Just a copy of the leftmost plot in Felix Mueller's thesis