Prototype Test Beam Results

- Single-tube space–drift time relation can be used over the whole beam area (1×1 m^2).

  Allow only max. drift time to vary within 6 ns (rms) (due to varying operating conditions of drift tubes).

- Require track residual distributions as function of drift distance to be symmetric left and right of the wires

  $\Rightarrow$ Measure wire displacements $\perp$ beam with accuracy of 10 μm (rms) with respect to a reference wire.

  Good correlation with wire positions from X-ray scan of the chamber: