Prototype Test Beam Results

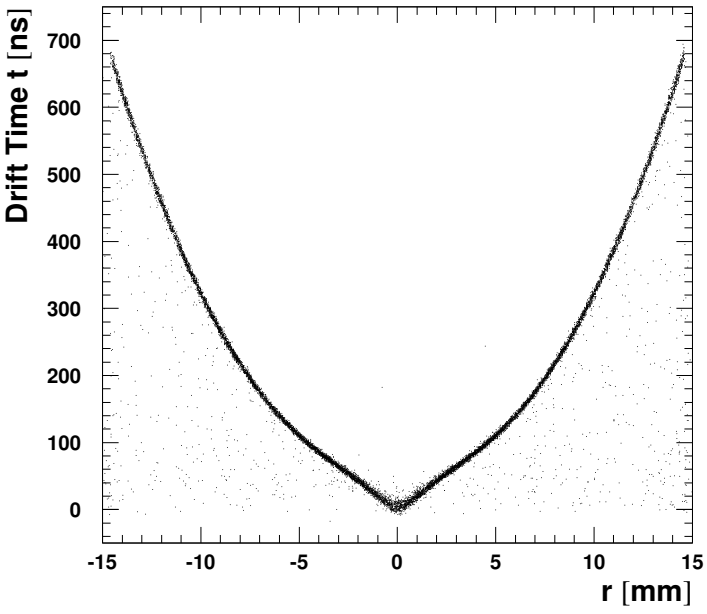
- **Operation of the prototype chamber with**

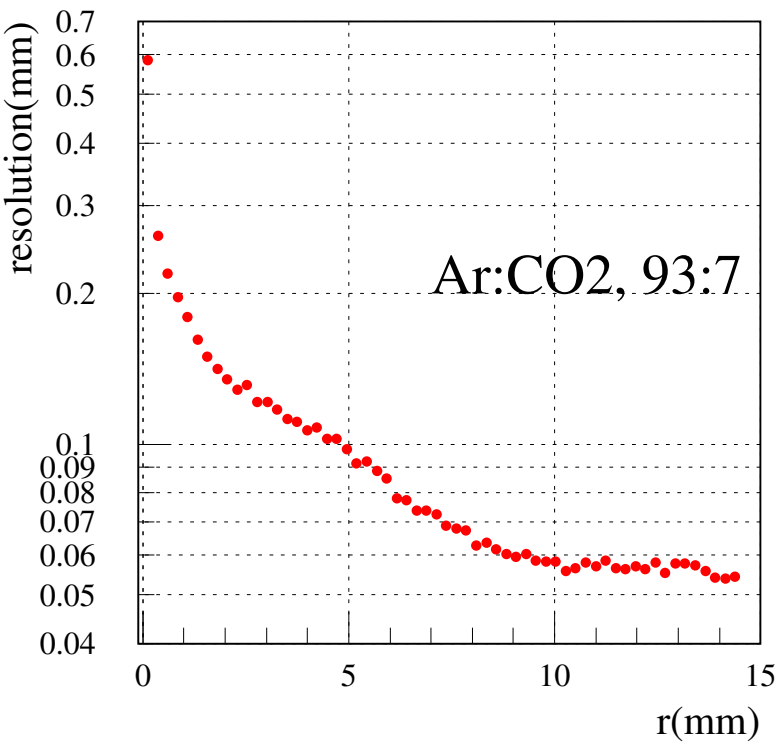
  Ar:CO_2 (93:7) gas mixture at 3 bar.

  Gas chosen to prevent drift tube aging up to 0.6 C/cm.

- **Determination of**
  r-t-relation and drift tube resolution

  using the silicon strip detector beam telescope for precise track position meas.($\sigma = 11$ μm):





$\Longrightarrow$ Average drift tube position resolution as expected: 70 μm (rms).

80 μm (rms) for Ar:N_2 :CH_4 (91:4:5) at 3 bar