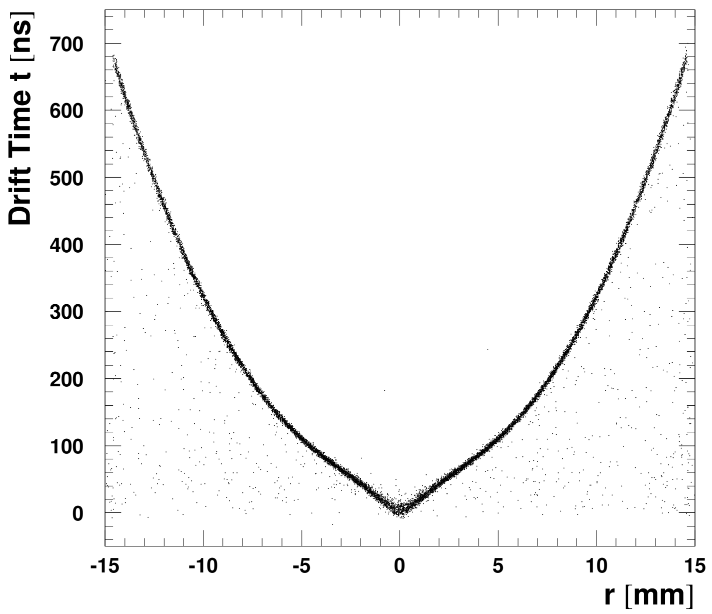
Prototype Test Beam Results

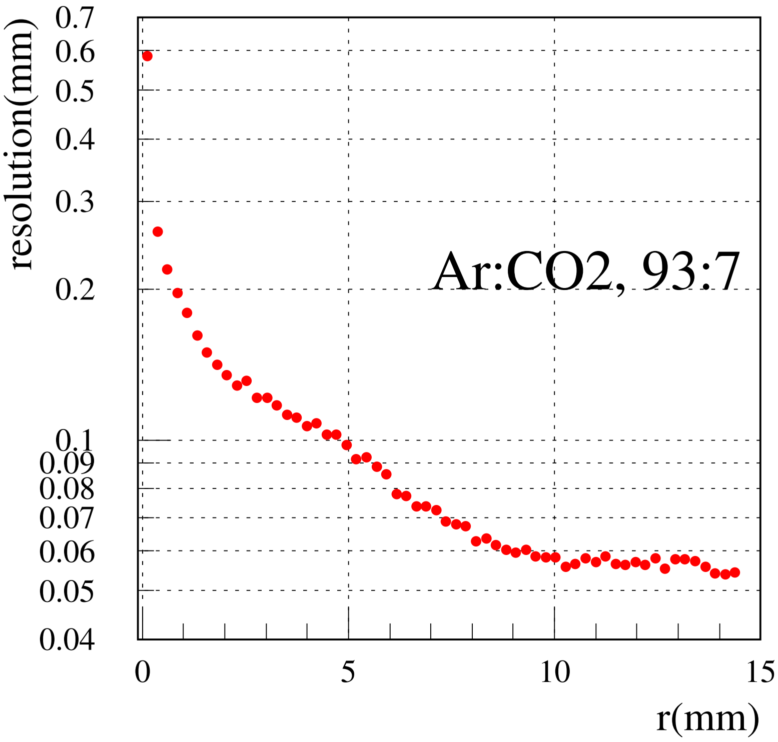
- **Operation of the prototype chamber with Ar:CO_2 (93:7) gas mixture at 3 bar.**

  Gas chosen to avoid 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 pos. meas. ($\sigma = 11\ \mu$m):





$\Longrightarrow$ Average drift tube position resolution as expected: $70\ \mu$m (rms)

($80\ \mu$m for Ar:N_2 :CH_4 (91:4:5) at 3 bar in 1998)