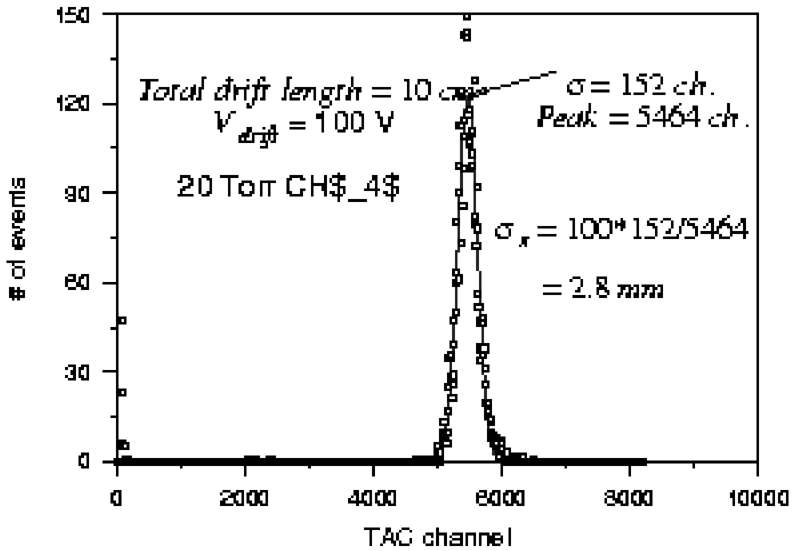
Low Pressure TPCs

Princeton

- Multiple scattering too large in gas at atmos–pheric pressure –> low pressure tracker.

- Prototype low pressure TPC constructed & tested at Princeton.



- Longitudinal diffusion measured over 10 cm drift with methane, ethane, isobutane, & CO_2 –> slightly better than expected.

- Drift velocity also measured, and agrees with expectations.