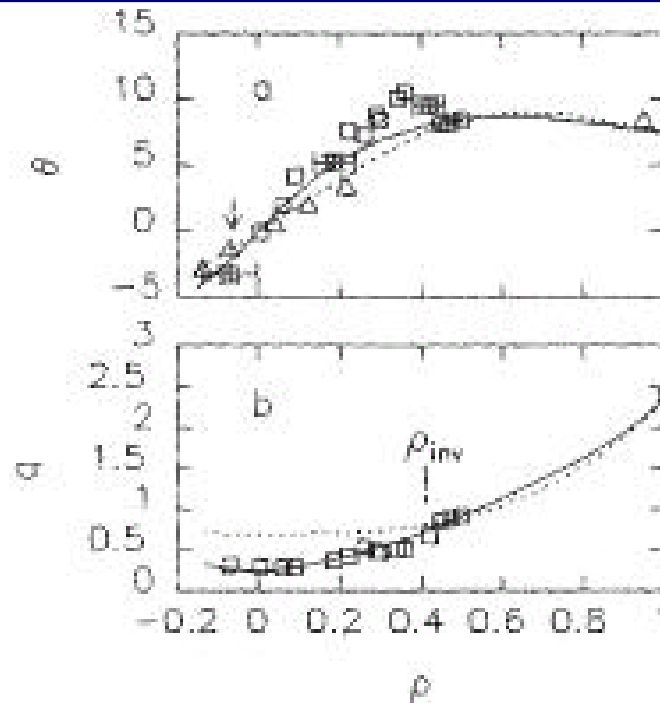
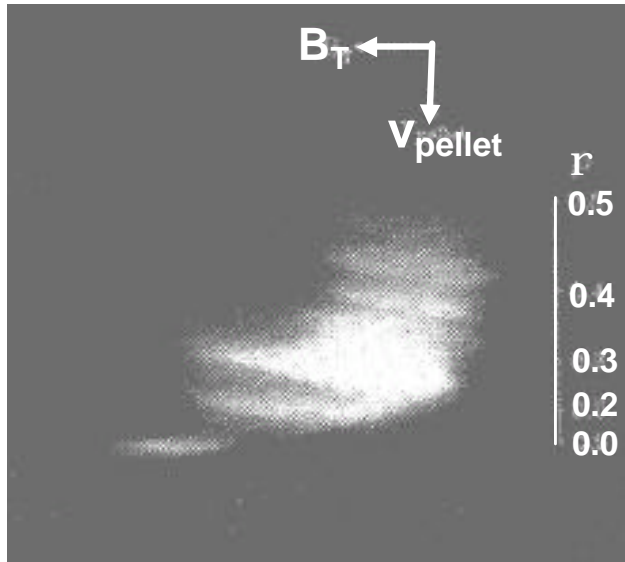


Determination of q-profile with Pellet Cloud Imaging



- Time integrated camera image of pellet cloud shows that the inclination varies with penetration. (Durst et al, RSI (1988) 1623). Faster CCD camera technology can greatly improve the images and q profile determination.
- The inclination and determined q profile as functions of flux-surface coordinate on TEXT indicate the ability to determine the q profile in high β NSTX plasmas (Te(0) ~ 1 keV allows deep pellet penetration).