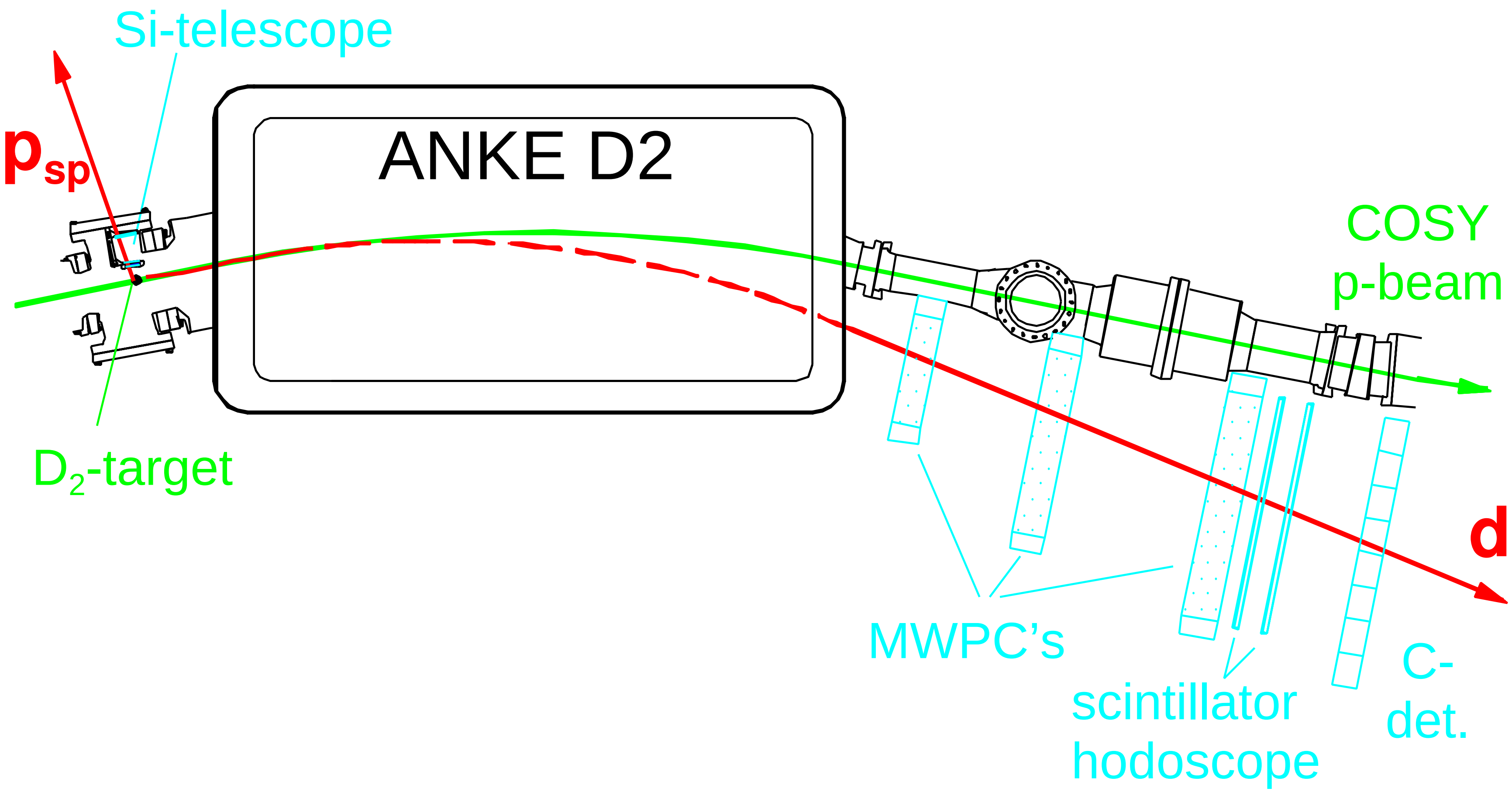
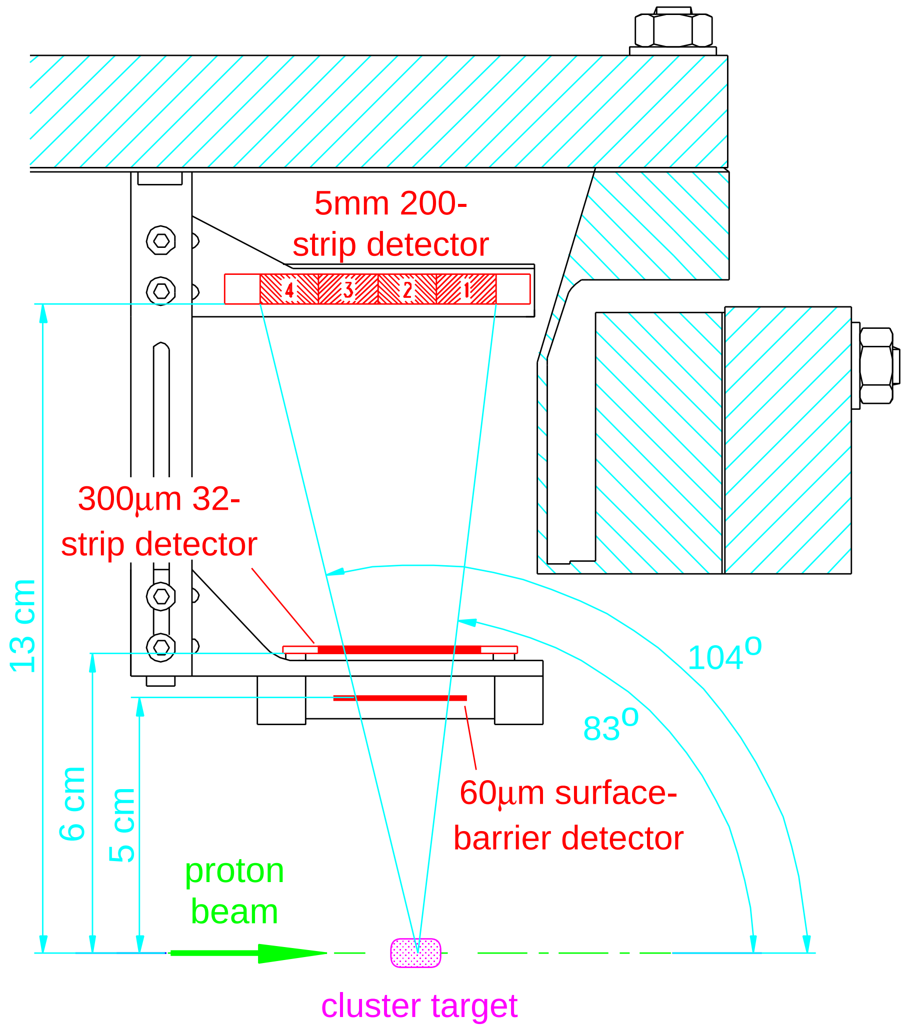
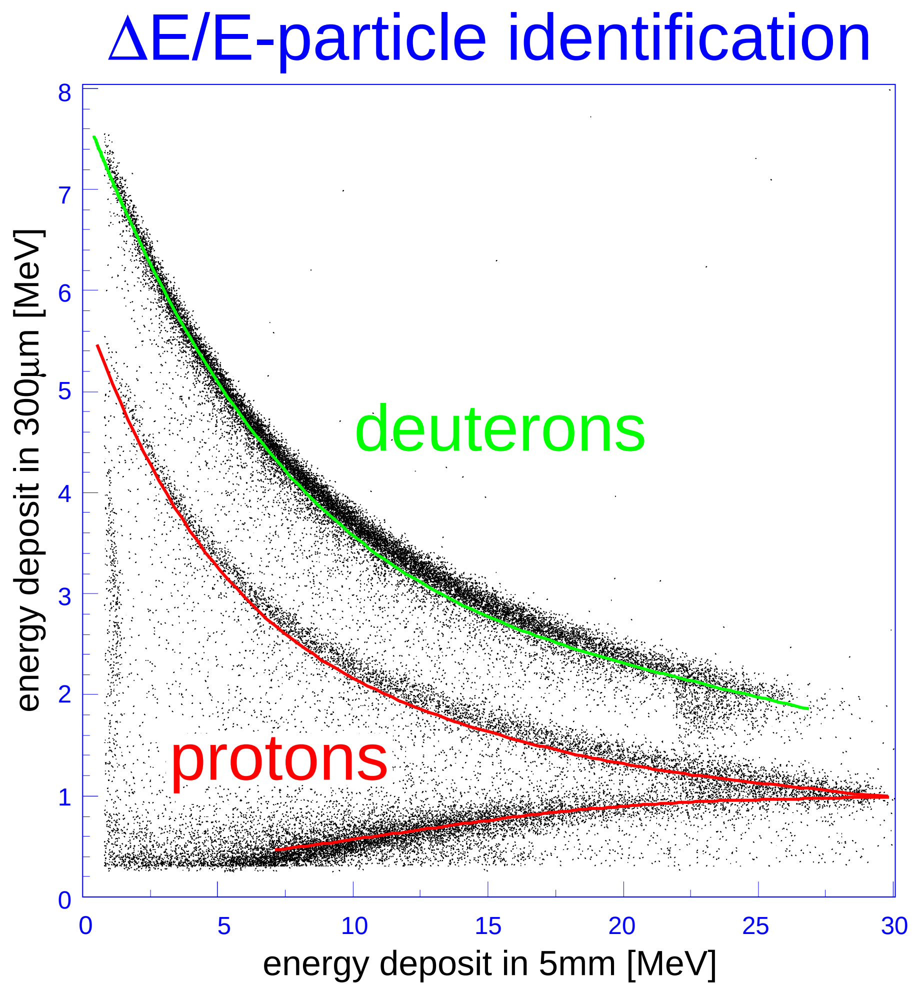
Meson Production on the Neutron at ANKE



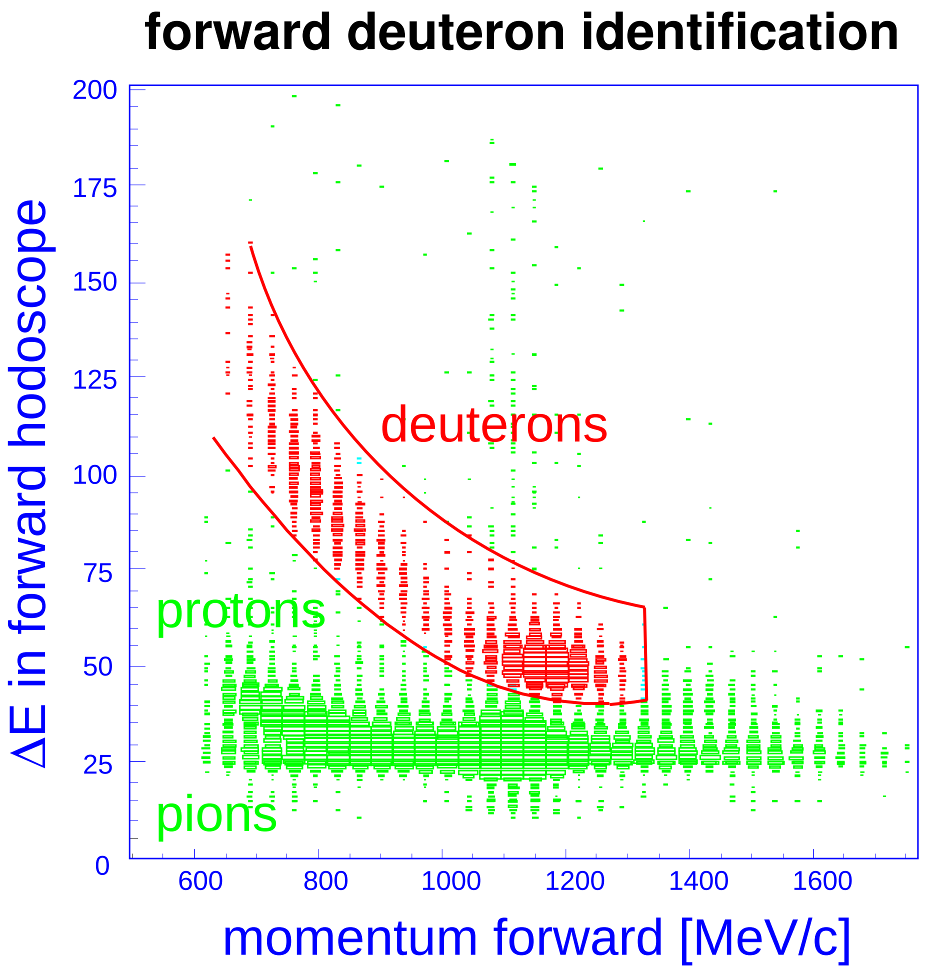
Identification of Spectator Protons

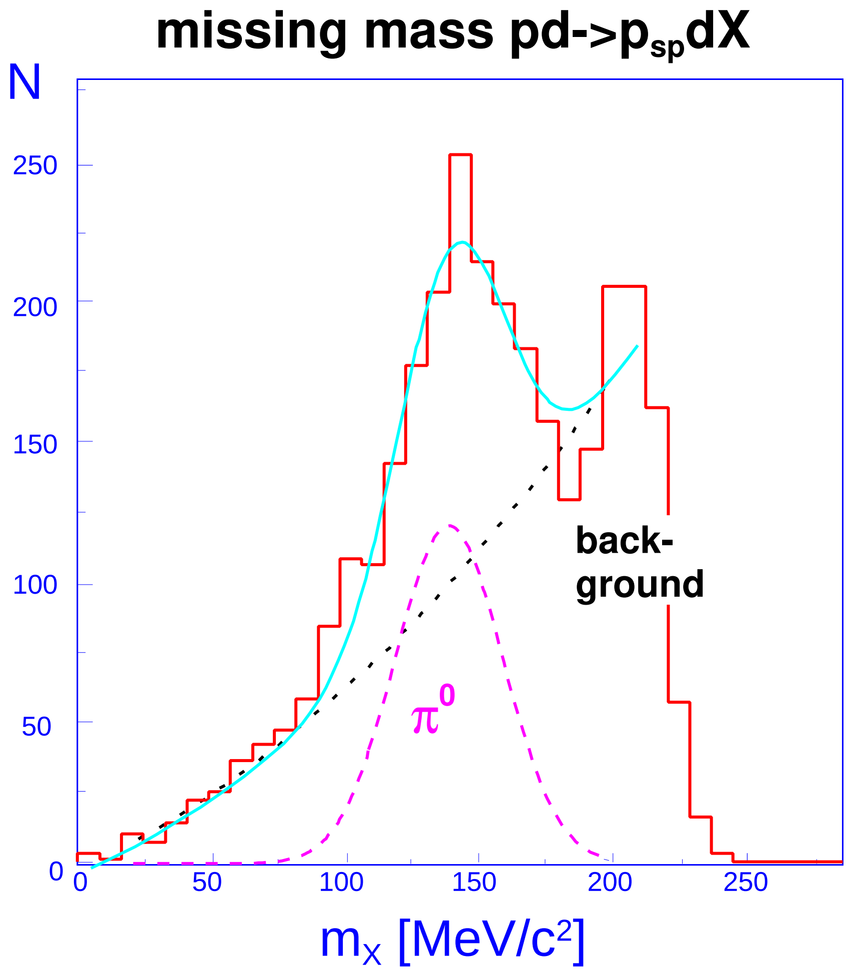
$$T_{\mathbf{sp}} = 2.5 - 30\ \textbf{MeV}$$





$pn \to d\pi^0$ at 500 MeV

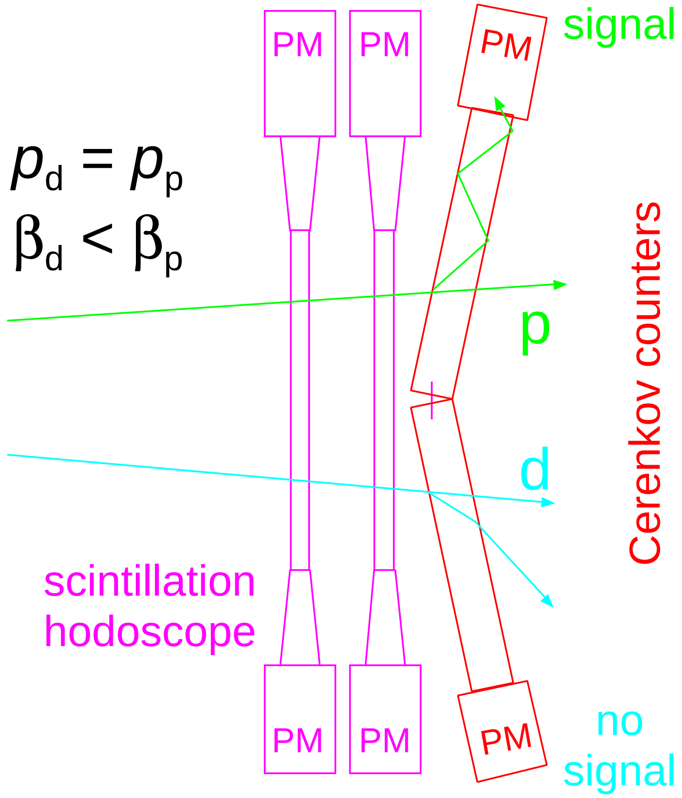




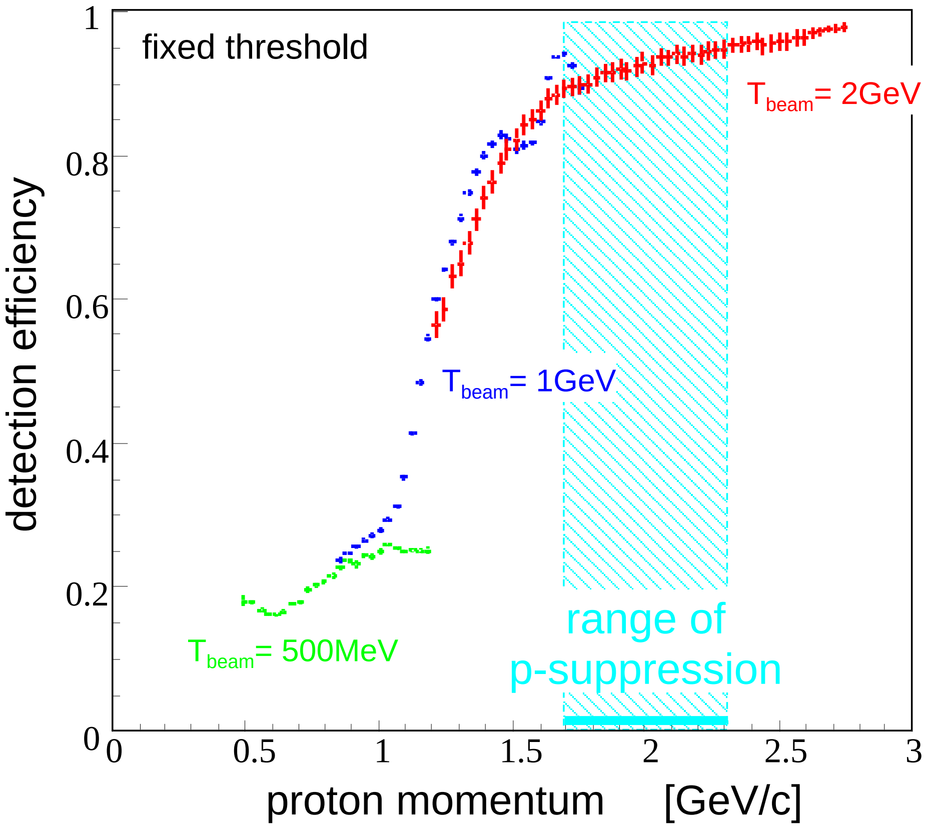
Identification of 2 GeV/c Deuterons

- forward Čerenkov counters ⇒ 95% proton suppression
- energy loss in the forward-scintillator hodoscope

forward setup (partially)



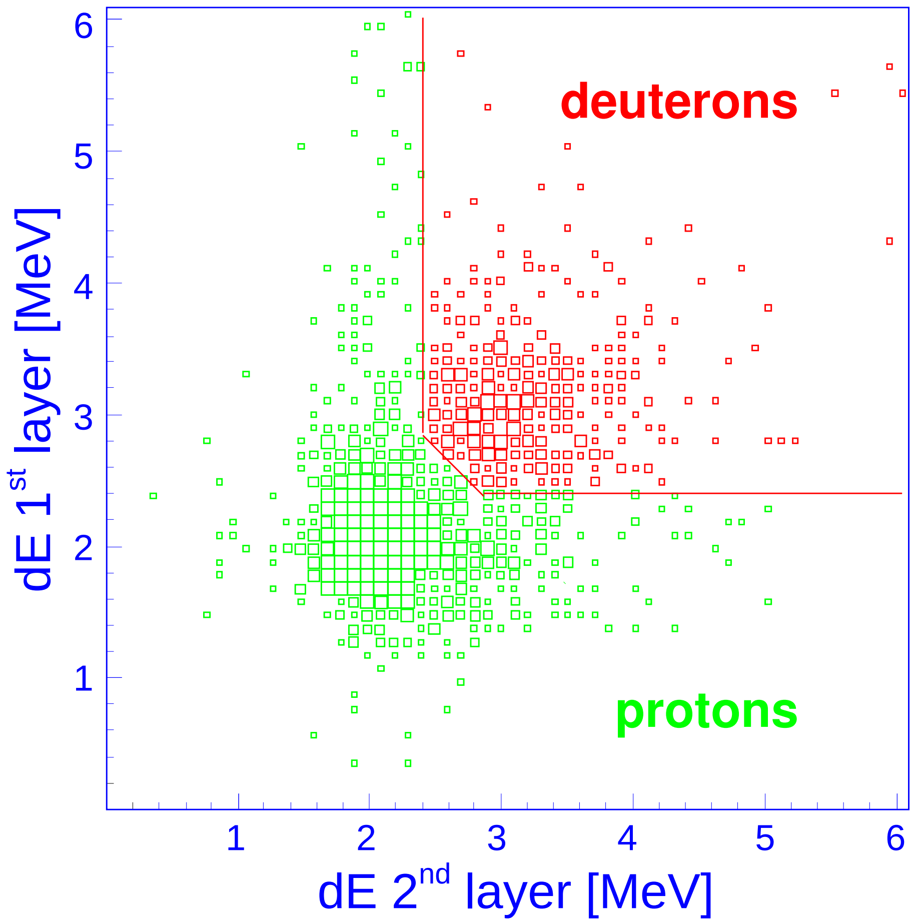
momentum dependent Cerenkov efficiency



pn → dω at 2 GeV

available statistics 95% proton suppressed by Čerenkov counters

energy loss forward hodoscope



missing mass in pd->p$_{sp}$dX