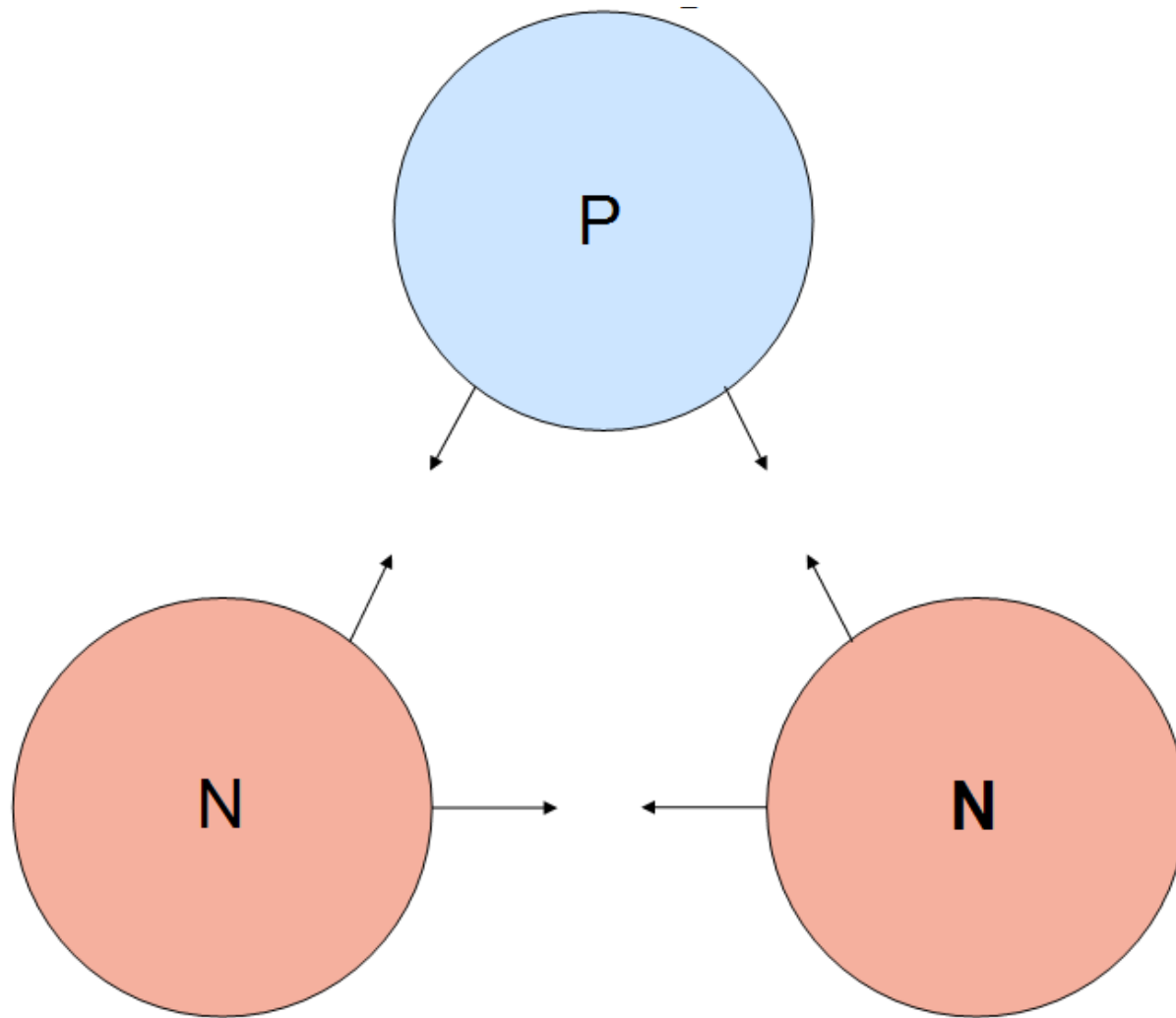


The $d(n,np)n$ Reaction as a Probe for the Three Nucleon Force

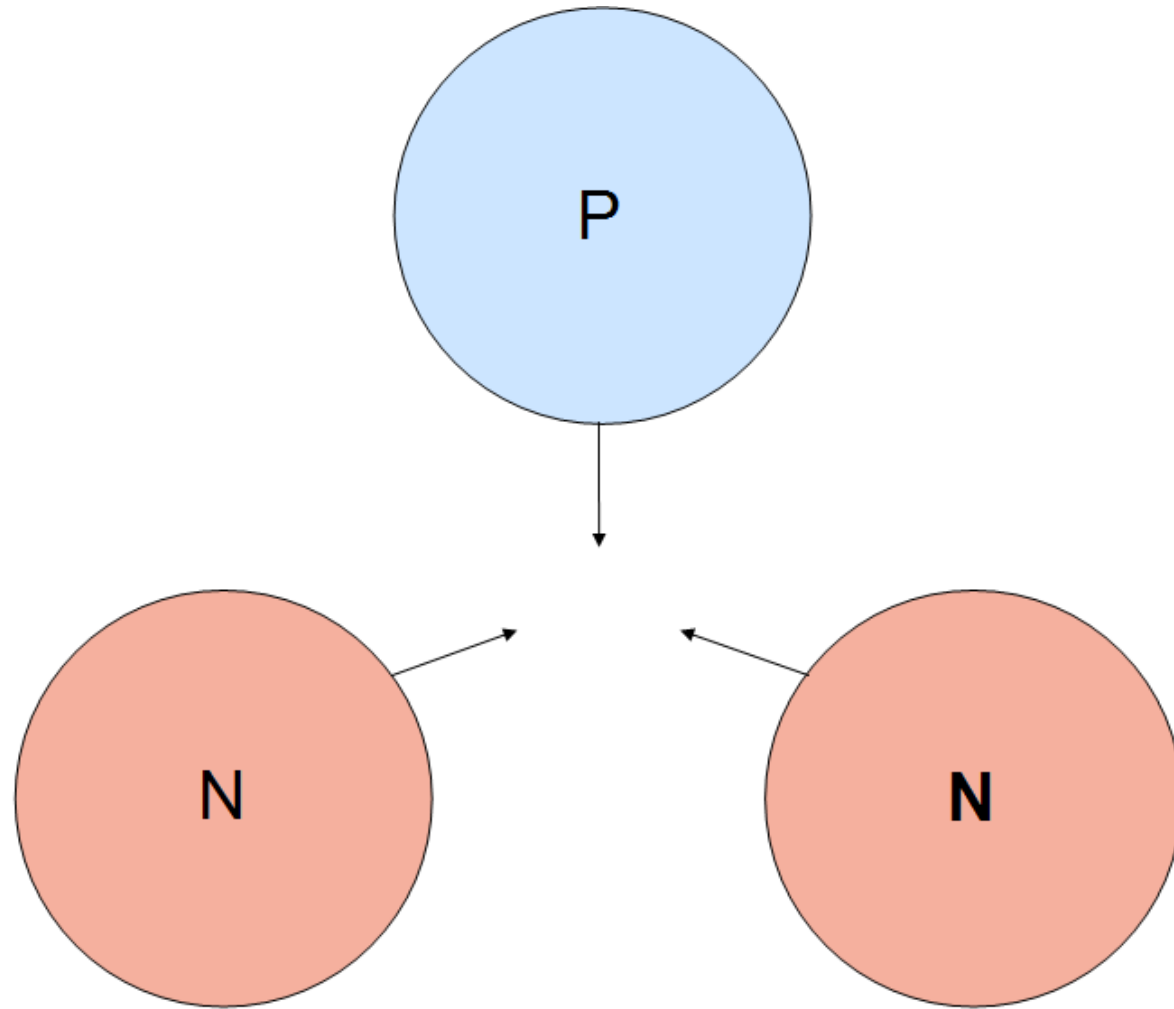
***Steven Wallace, Mickael Cressman, Alexander
Lipnicki, Josh Troyer, Mark Yuly
Houghton College***

The Strong Force



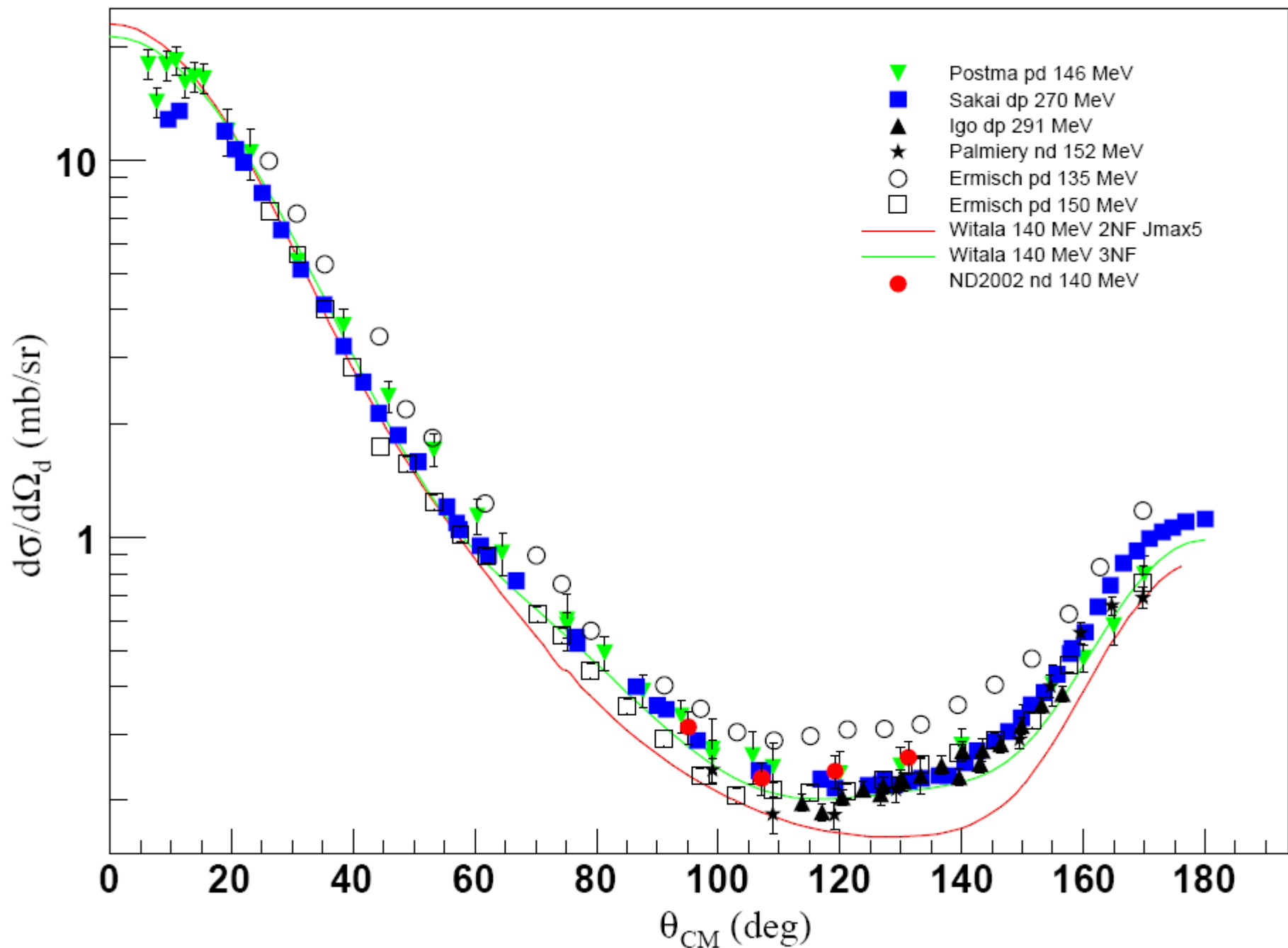
Two Nucleon Force

The Strong Force

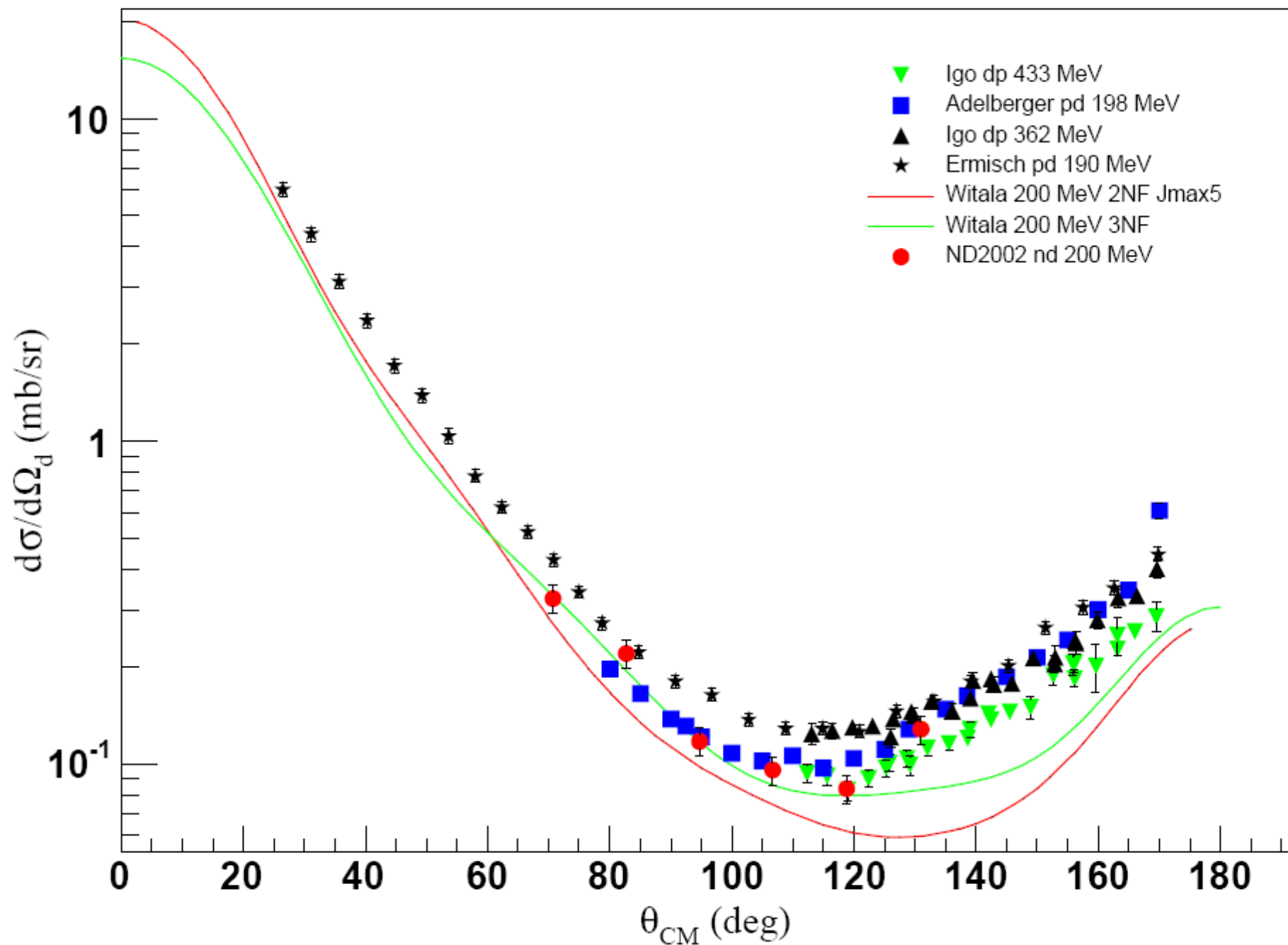


Three Nucleon Force

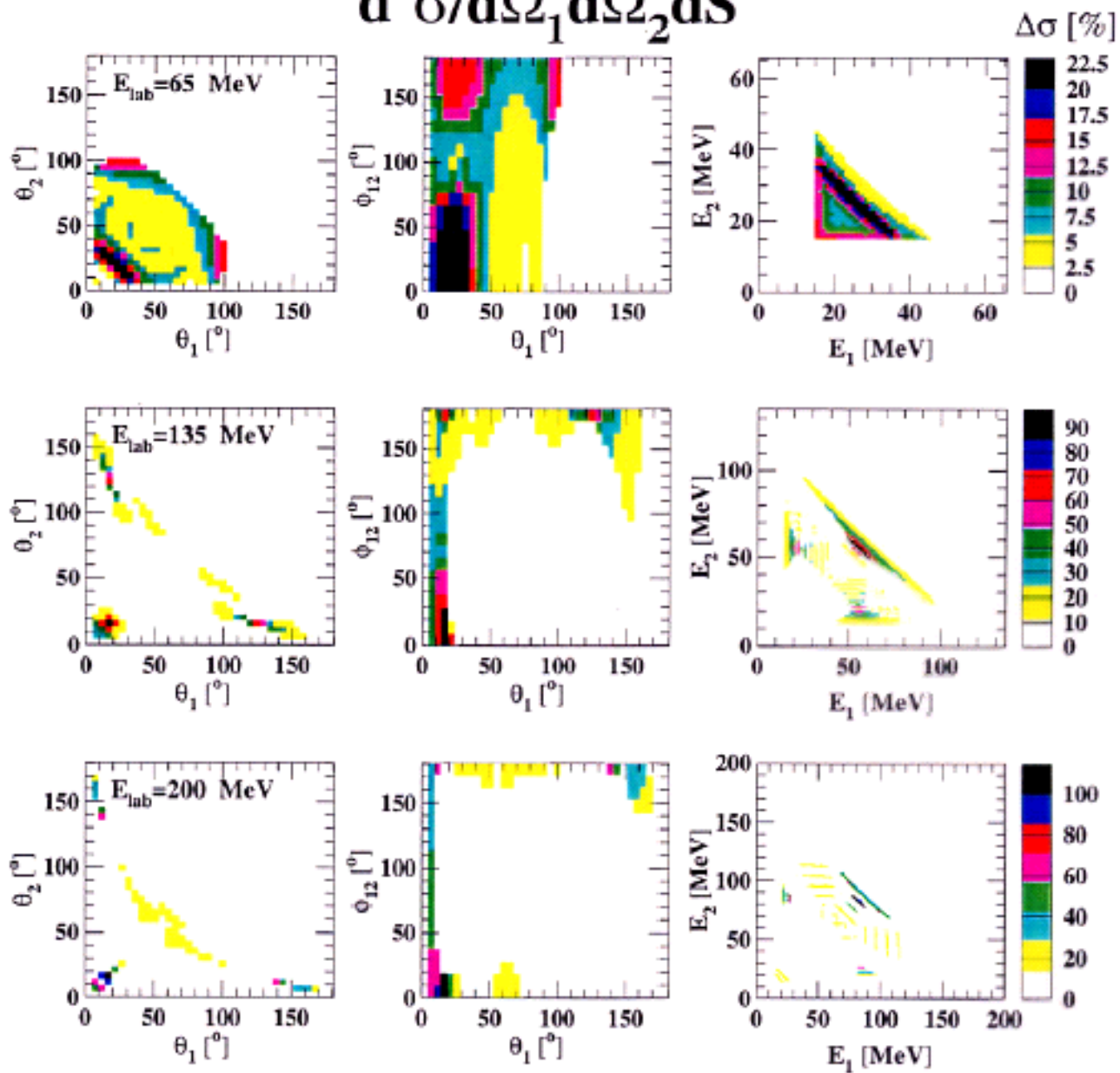
The d(n,nd) Interaction



The d(n,nd) Interaction

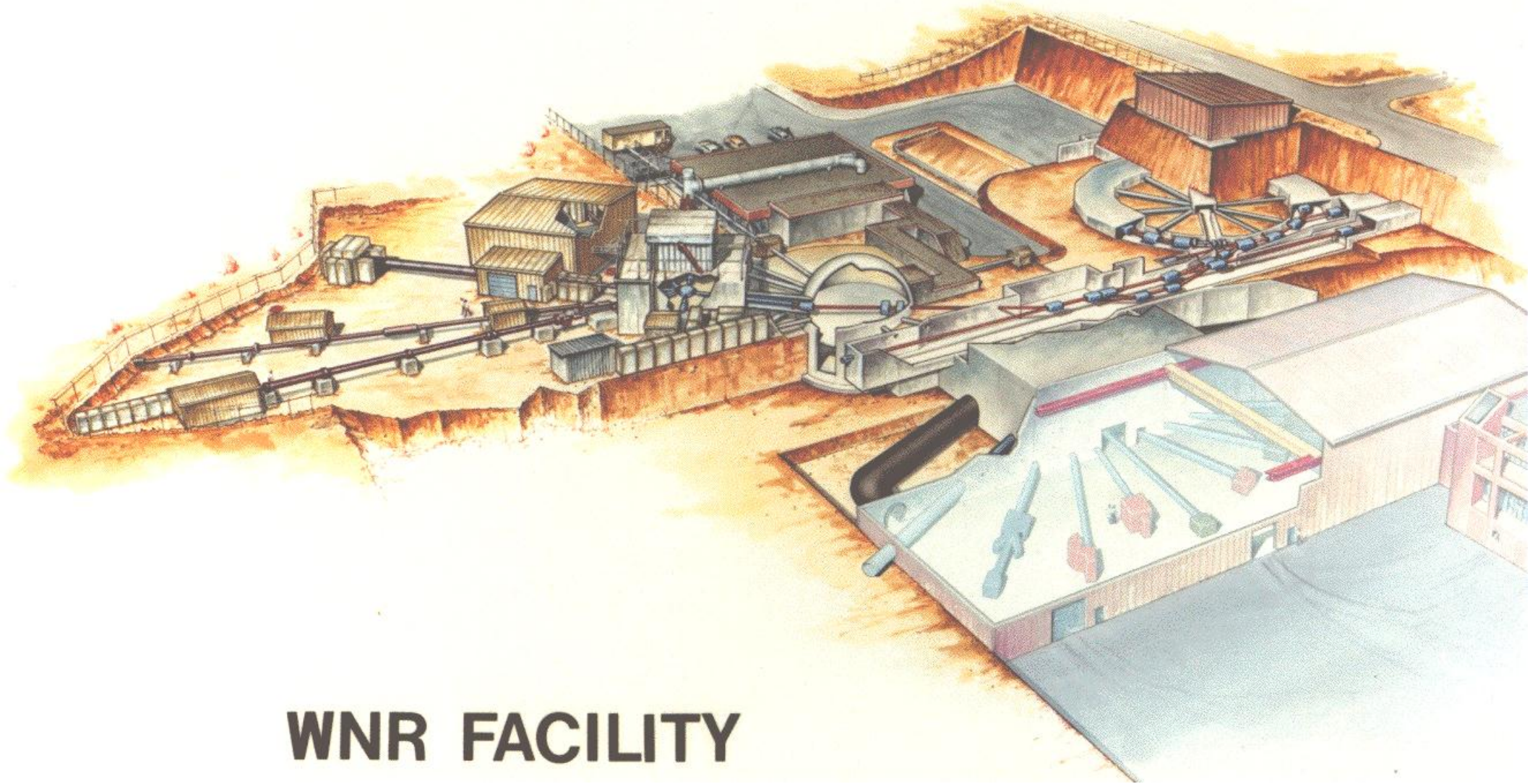


$$d^5\sigma/d\Omega_1 d\Omega_2 dS$$



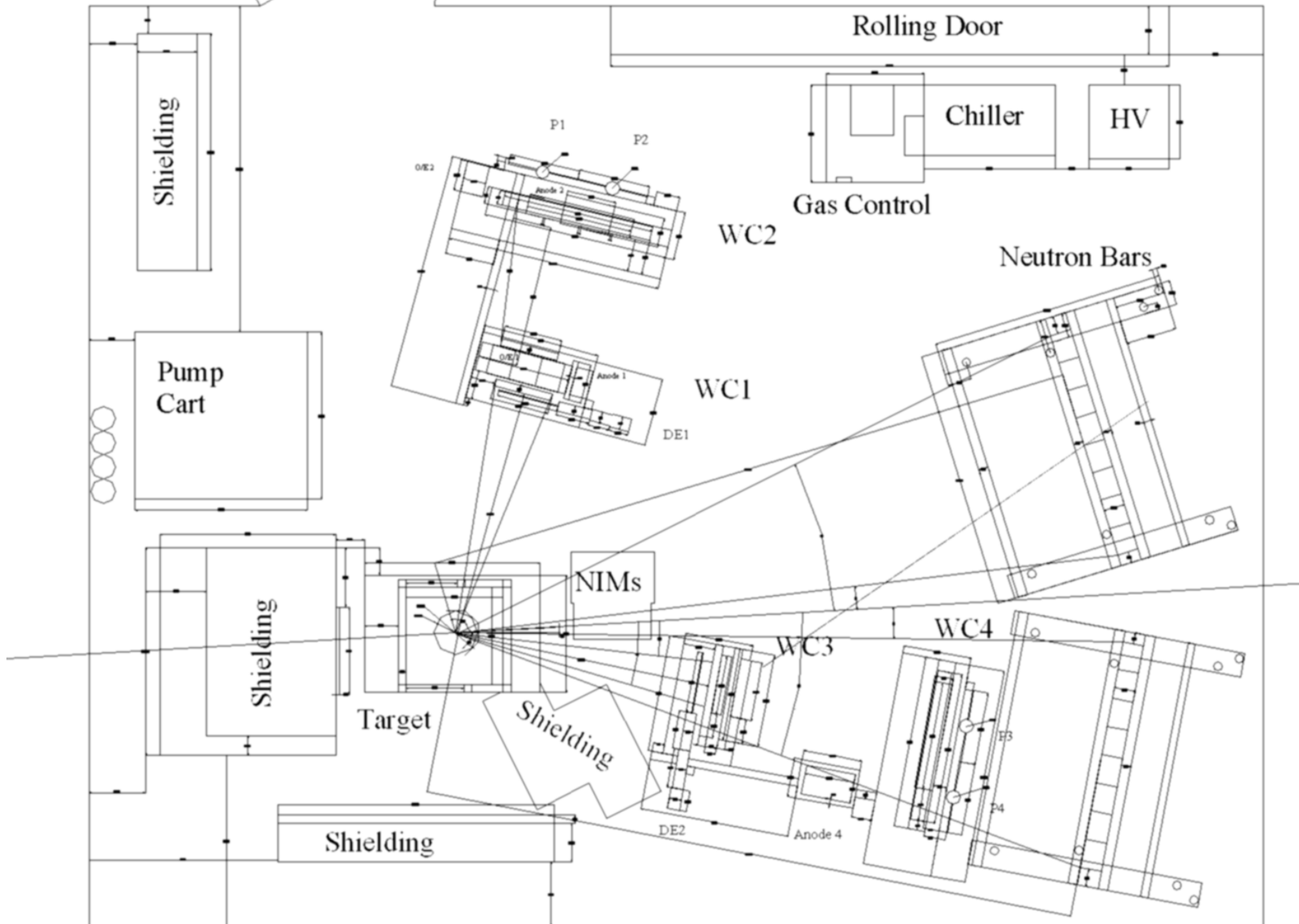
Los Alamos Neutron Science Center (LANSCE)

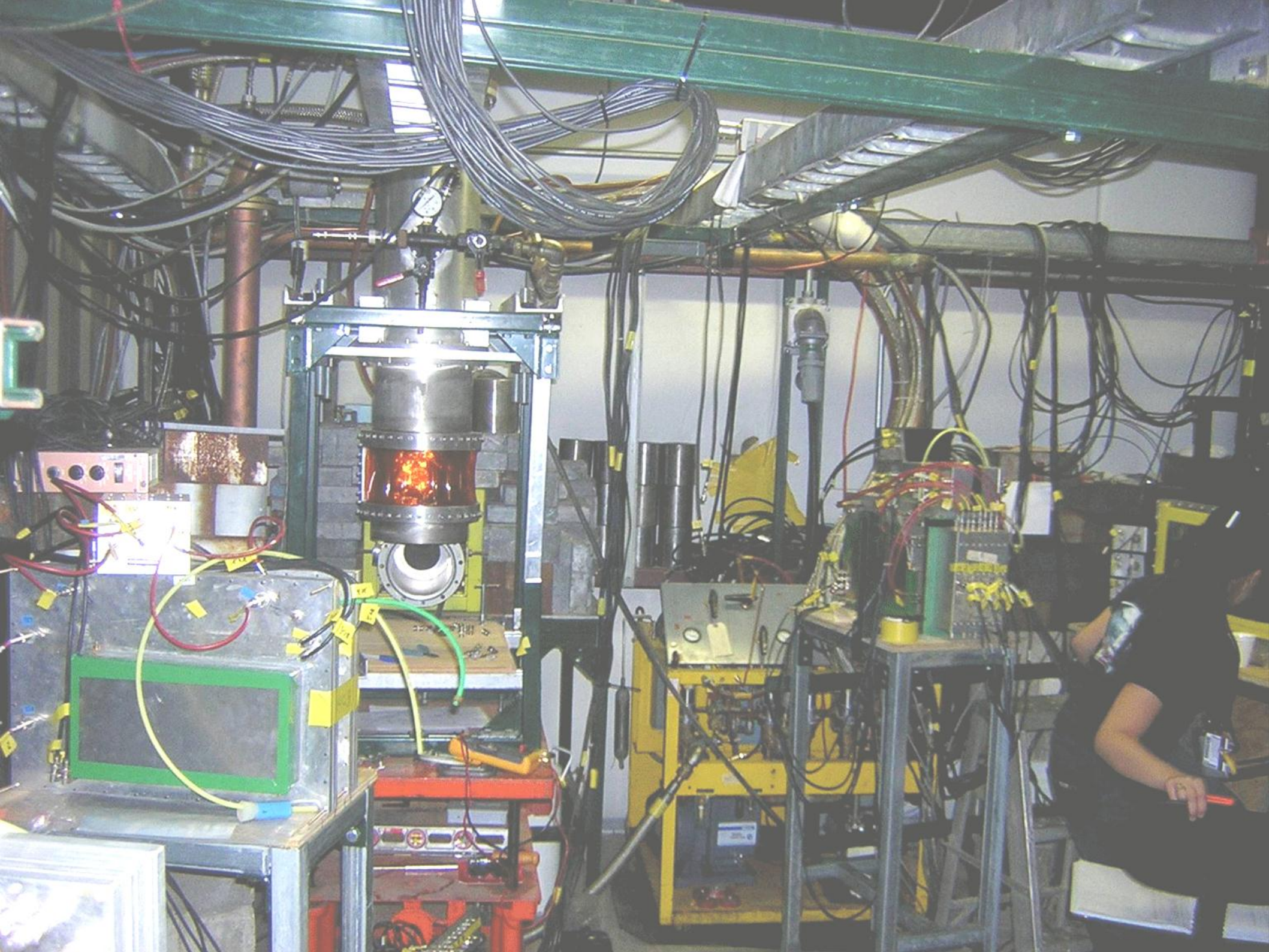




WNR FACILITY

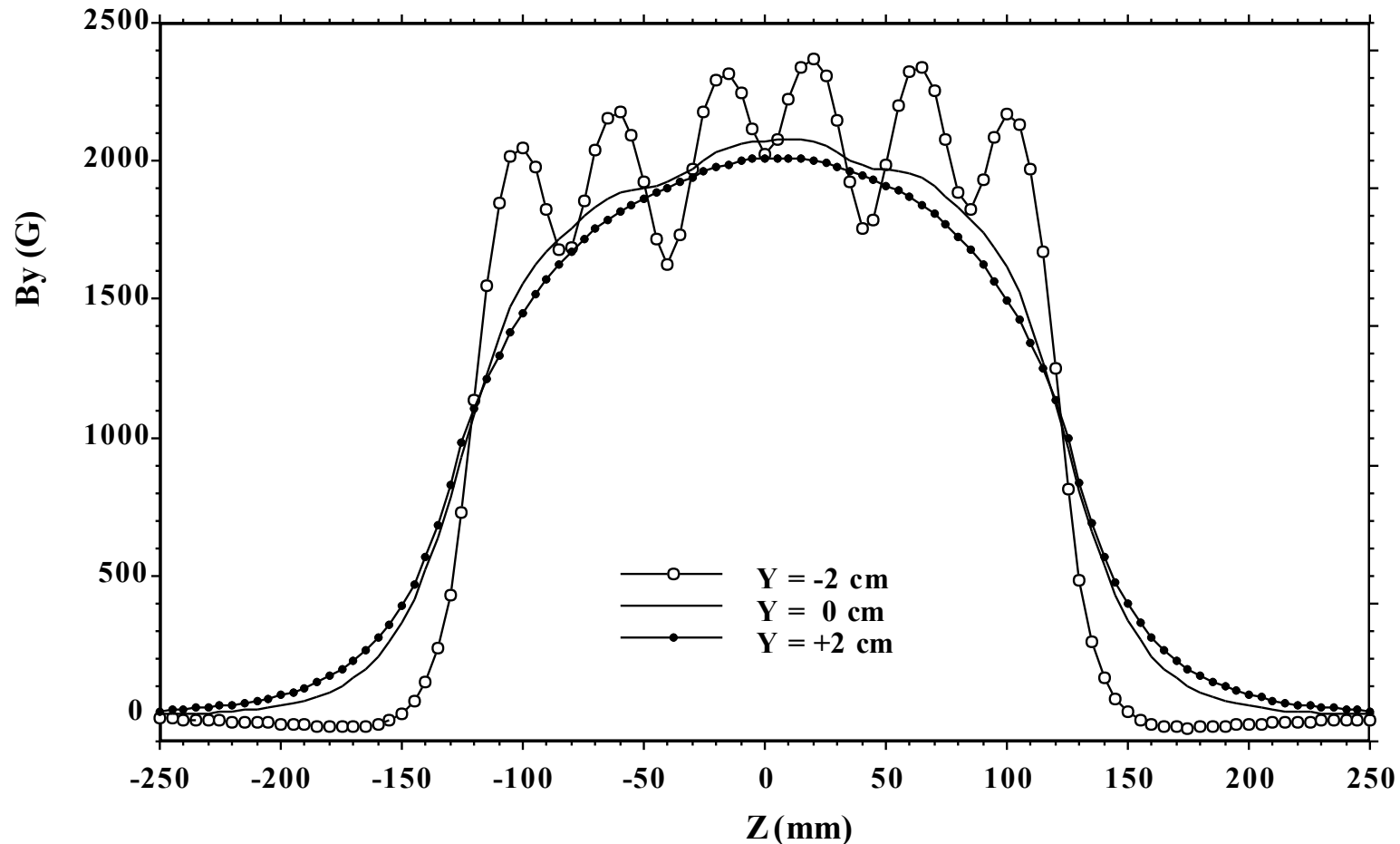
ND Breakup 2005





Current Problems

•Magnetic field is non-uniform.



Normal field component of PM2 measured along the z axis for $x = 0$ and $y = -2, 0$, and $+2$ cm