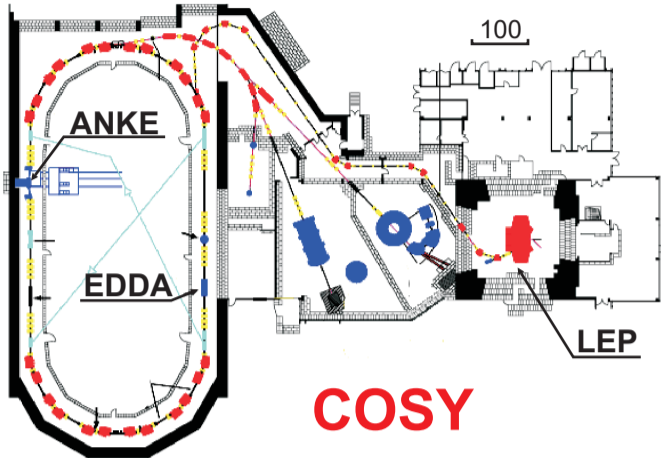


Determination of Deuteron Beam Polarizations at COSY

David Chiladze for the ANKE Collaboration

LEP & EDDA



LEP (behind the cyclotron): $T_d = 76$ MeV

$dC \rightarrow dC$

EDDA (internal experiment): $T_d = 270$ MeV

$dp \rightarrow dp$

ANKE

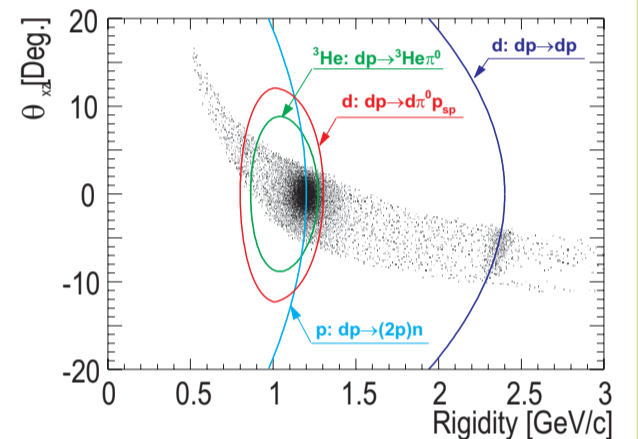
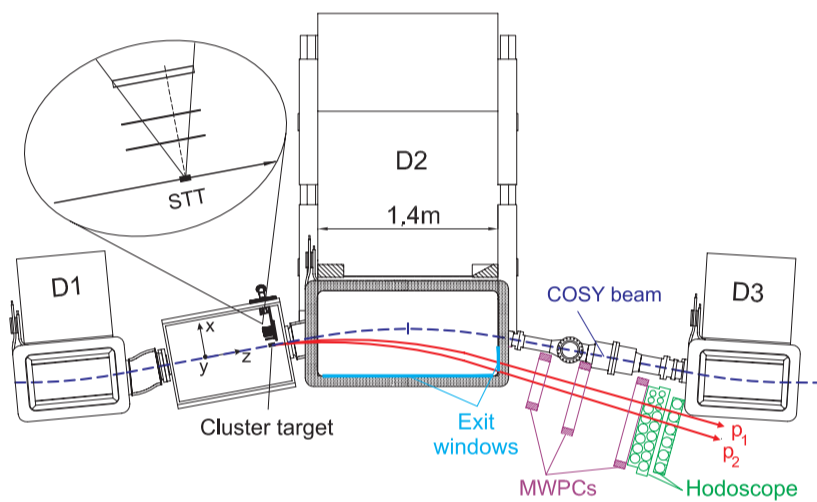
$T_d = 1170$ MeV

$dp \rightarrow dp$

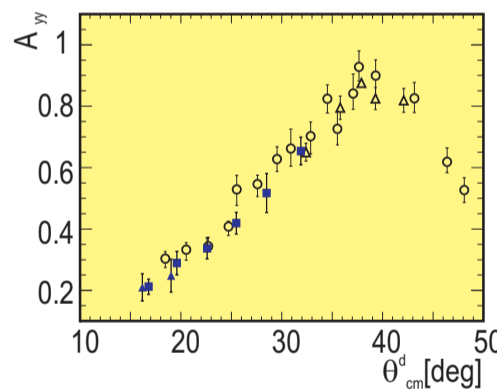
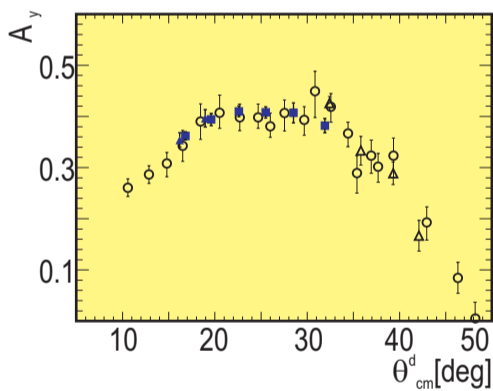
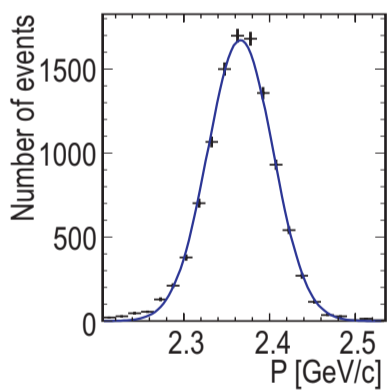
$dp \rightarrow {}^3\text{He}\pi^0$

$np \rightarrow d\pi^0$

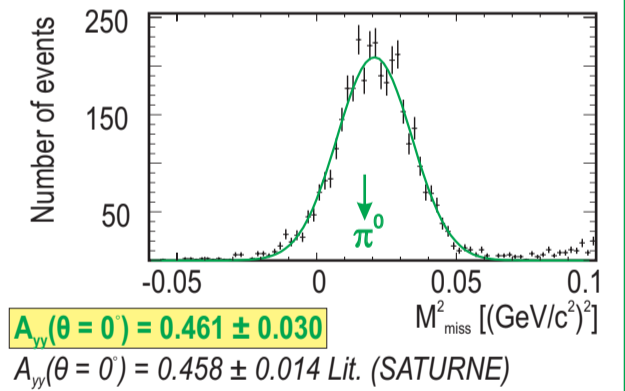
$dp \rightarrow (pp)n$



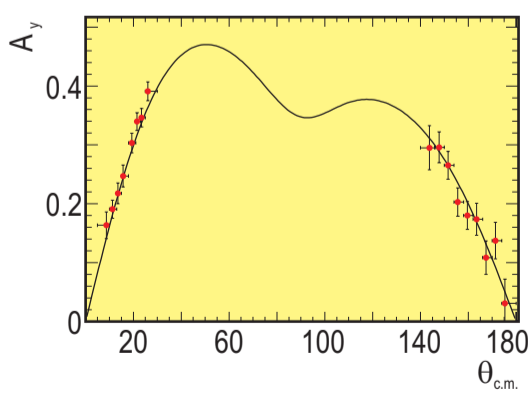
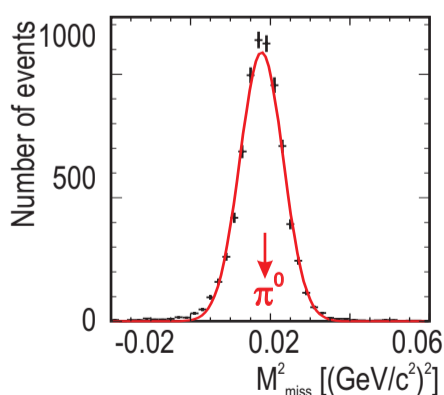
$dp \rightarrow dp$



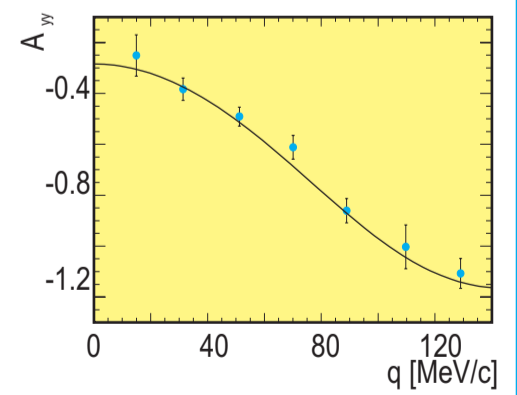
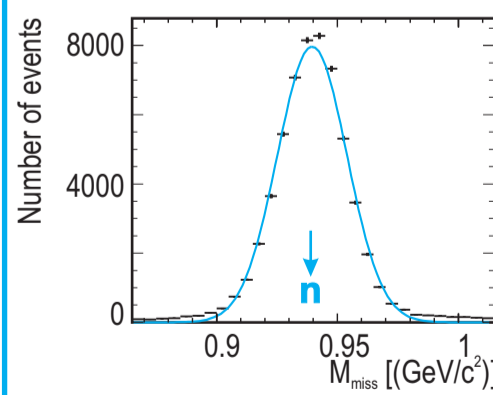
$dp \rightarrow {}^3\text{He}\pi^0$



$np \rightarrow d\pi^0$



$dp \rightarrow (pp)n$



Results

No significant depolarizations; $P_z \approx 75\%$ and $P_{zz} \approx 60\%$

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