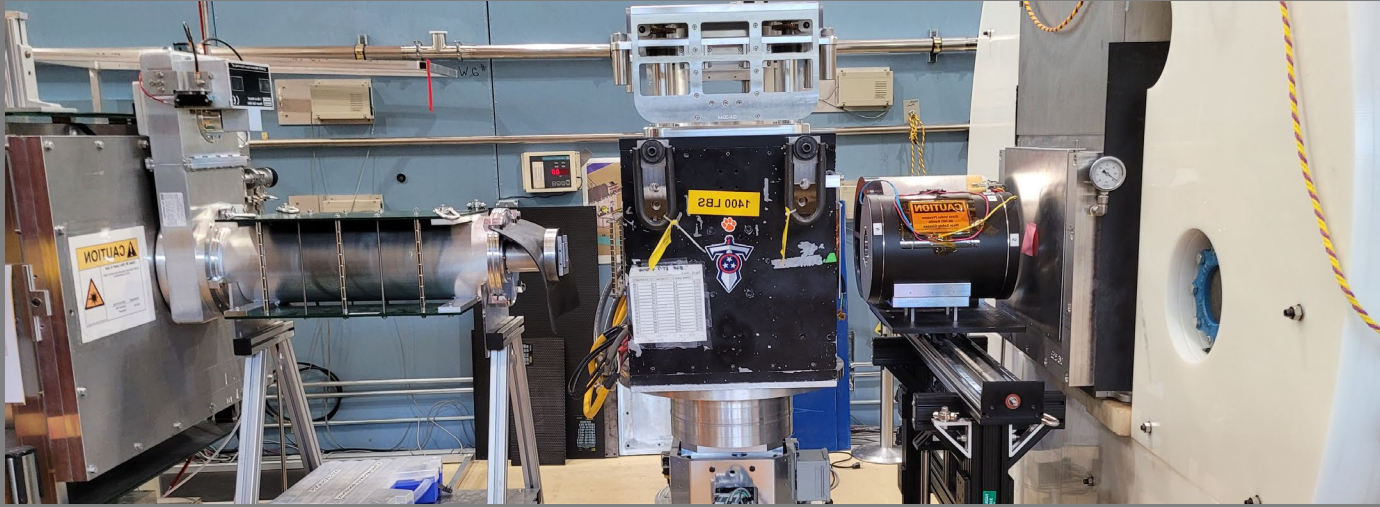
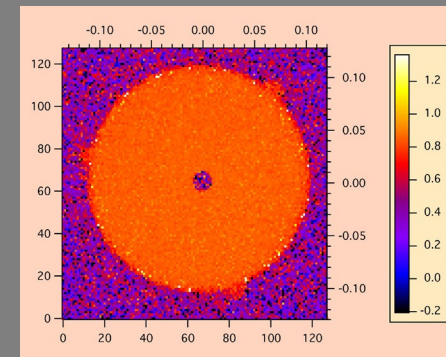
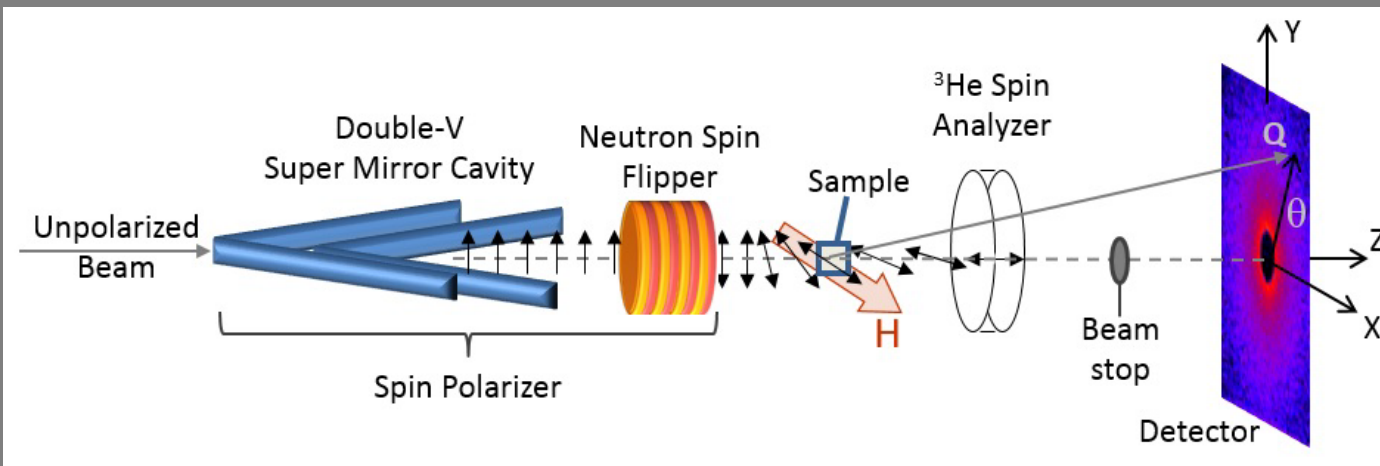


# vSANS polarization analysis capability



- ❑ Obtain all Q data at one measurement.
- ❑ Four cross sections measured.
- ❑ Wavelength:  $\sim 0.5$  nm to  $\sim 0.75$  nm.
- ❑ Q range coverage up to  $1.3 \text{ nm}^{-1}$ .
- ❑  $^3\text{He}$  neutron transmission up to 54% (for desired spin state).
- ❑ Initial flipping ratio up to 100.
- ❑ Supermirror efficiency 0.99.
- ❑ Adiabatic RF spin flipper efficiency 0.999.
- ❑ Spatially homogenous analyzing power.
- ❑ Sample field up to 1.6 T.



Angular independent  
neutron analyzing  
power