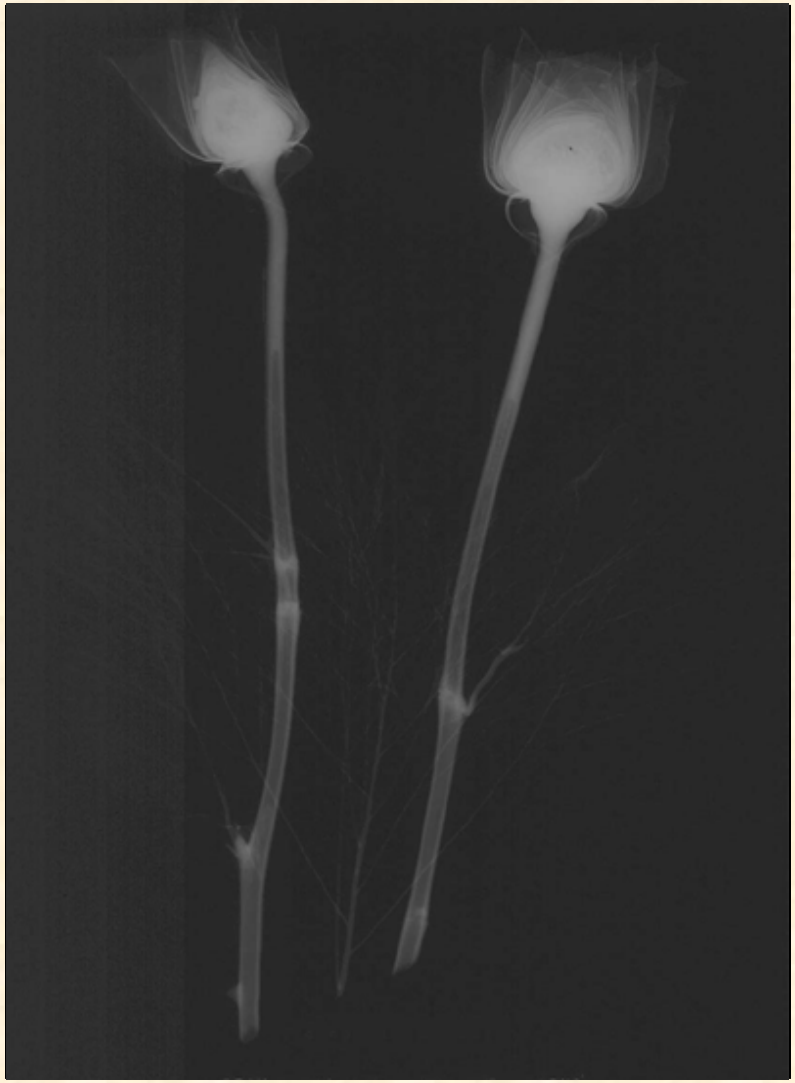
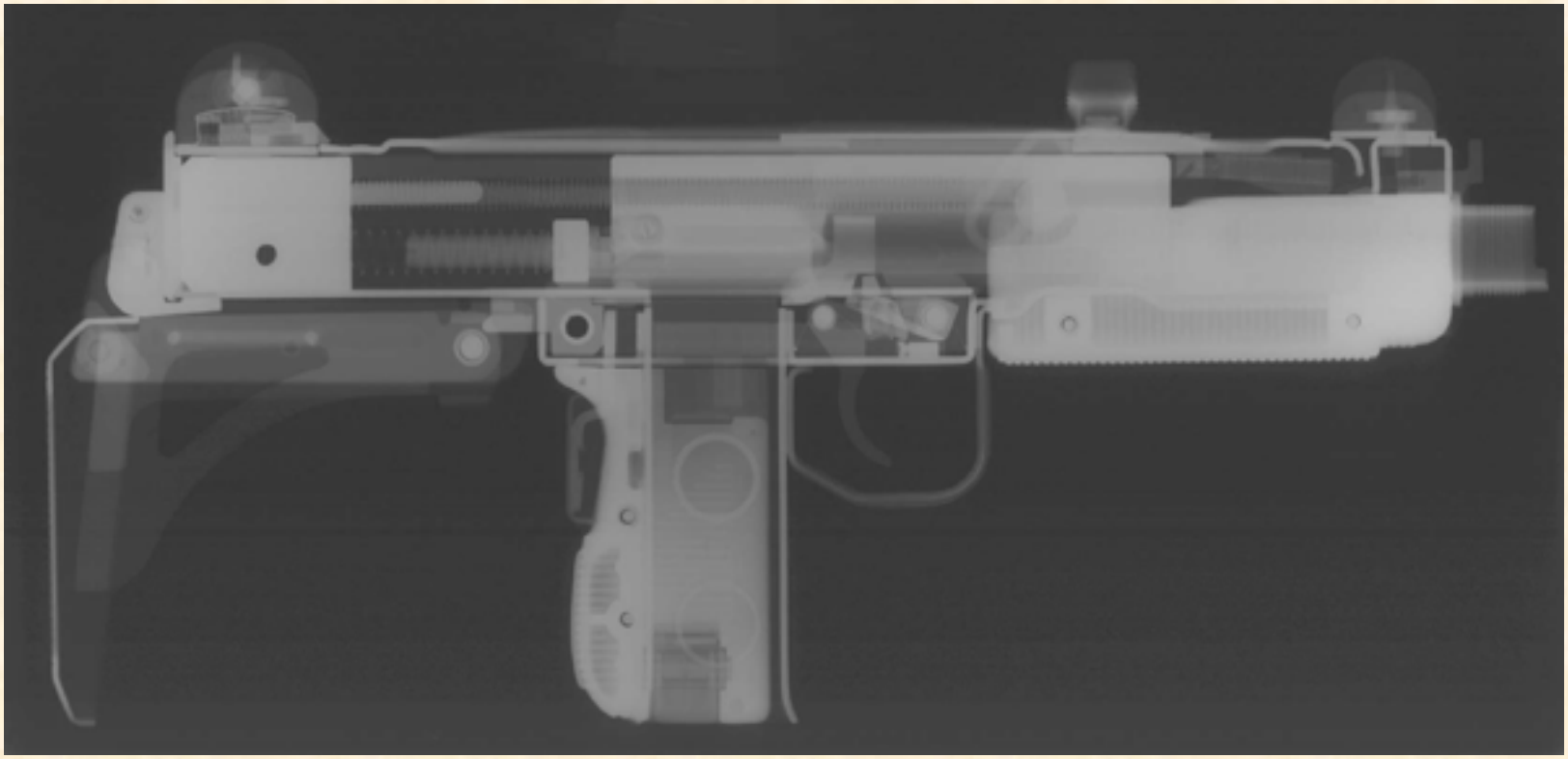
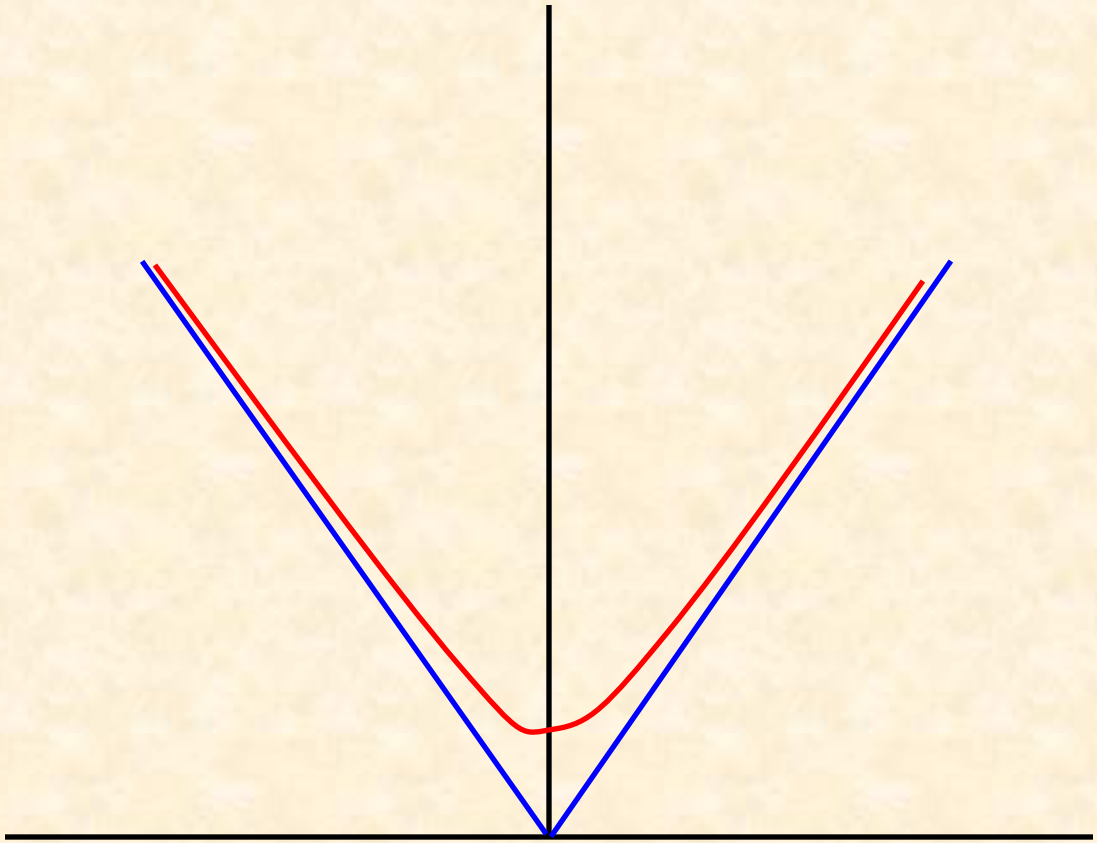
Roses in a lead casket



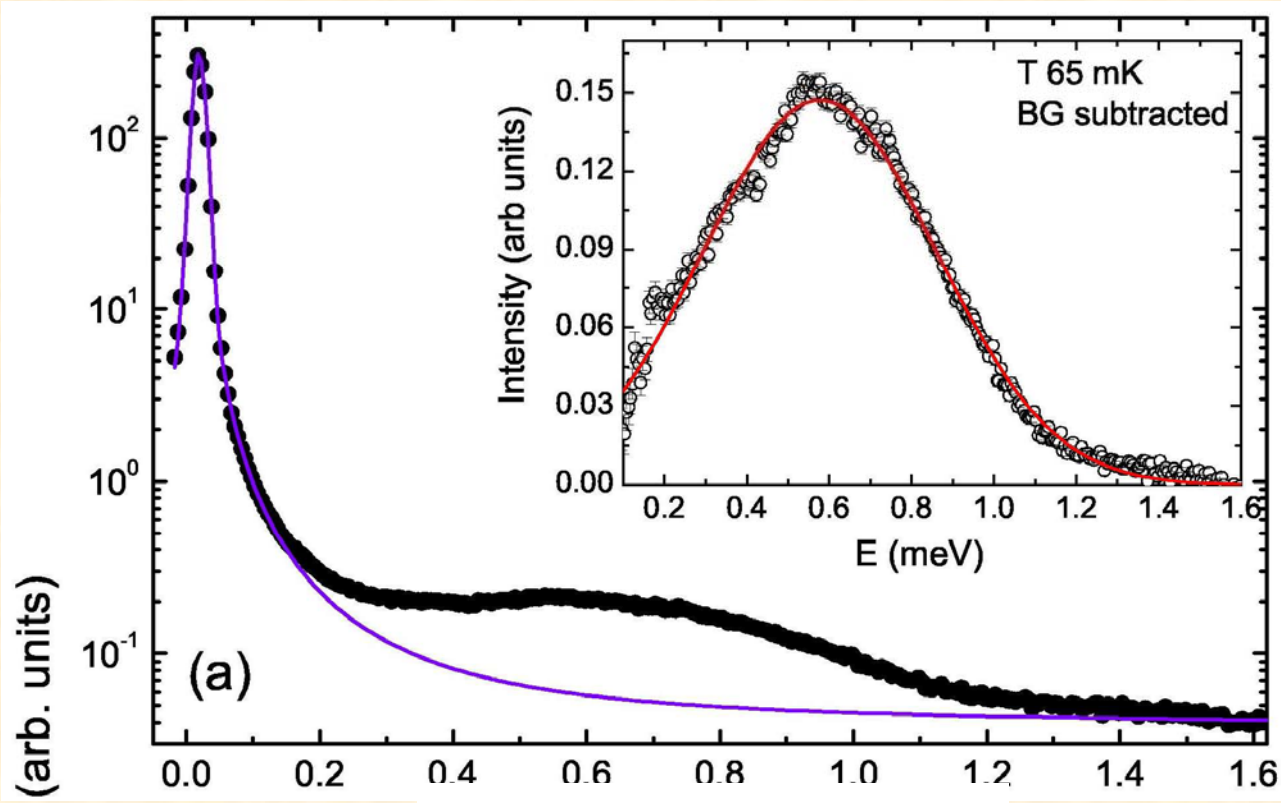
Uzi



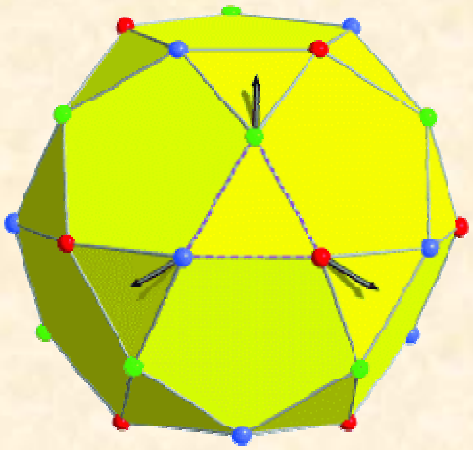


$\{Mo_{72}Fe_{30}\}$ magnetic molecule (nano-sphere) with 30 S=5/2 Fe^{3+} ions

Collaboration with V. O. Garlea, J. L. Zarestky, C. Stassis, D. Vaknin, P. Kögerler, D. F. McMorrow, C. Niedermayer, D. A. Tennant, B. Lake, Y. Qiu, M. Exler, J.Schnack, and M. Luban

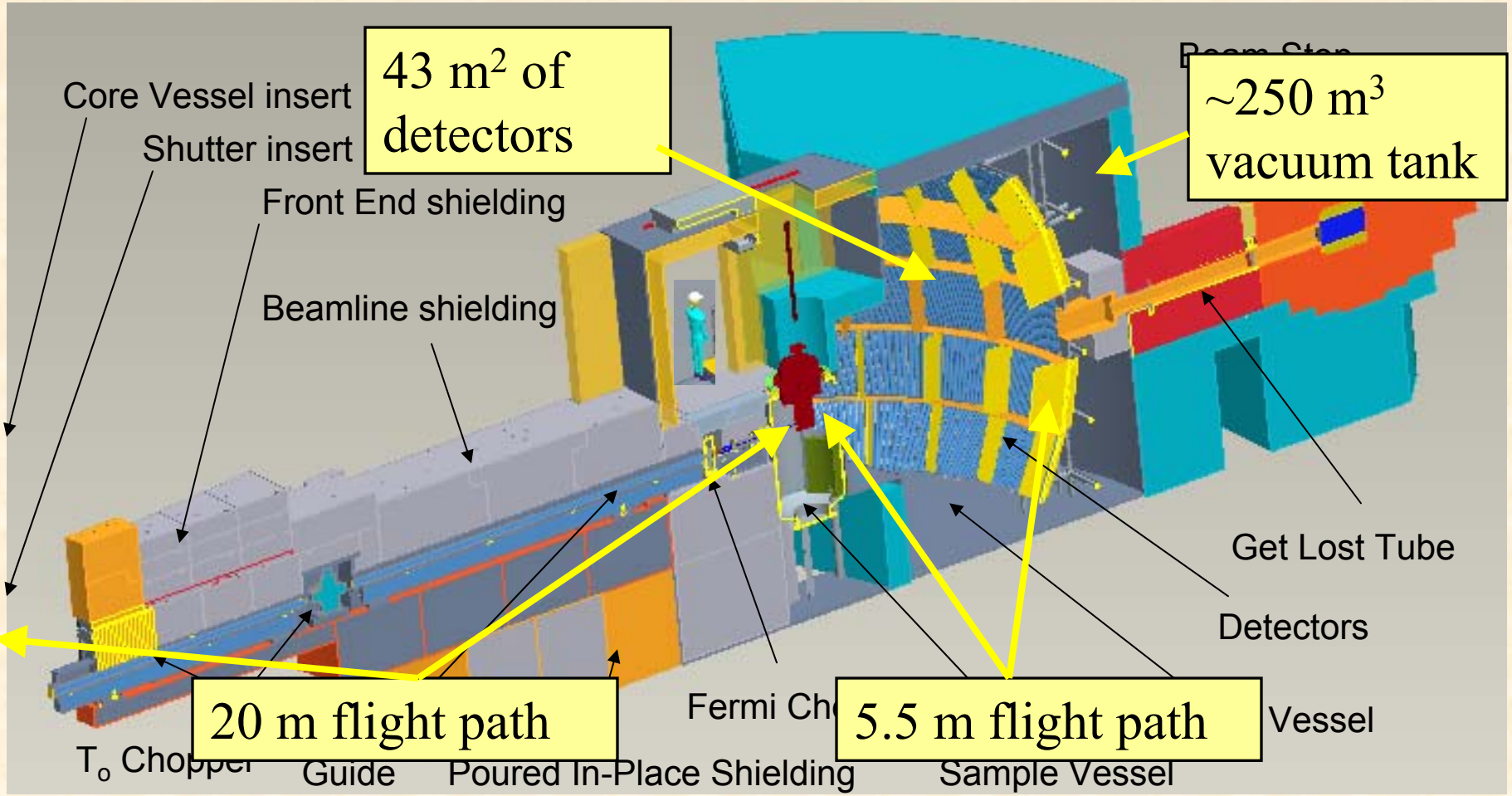


Energy (meV)

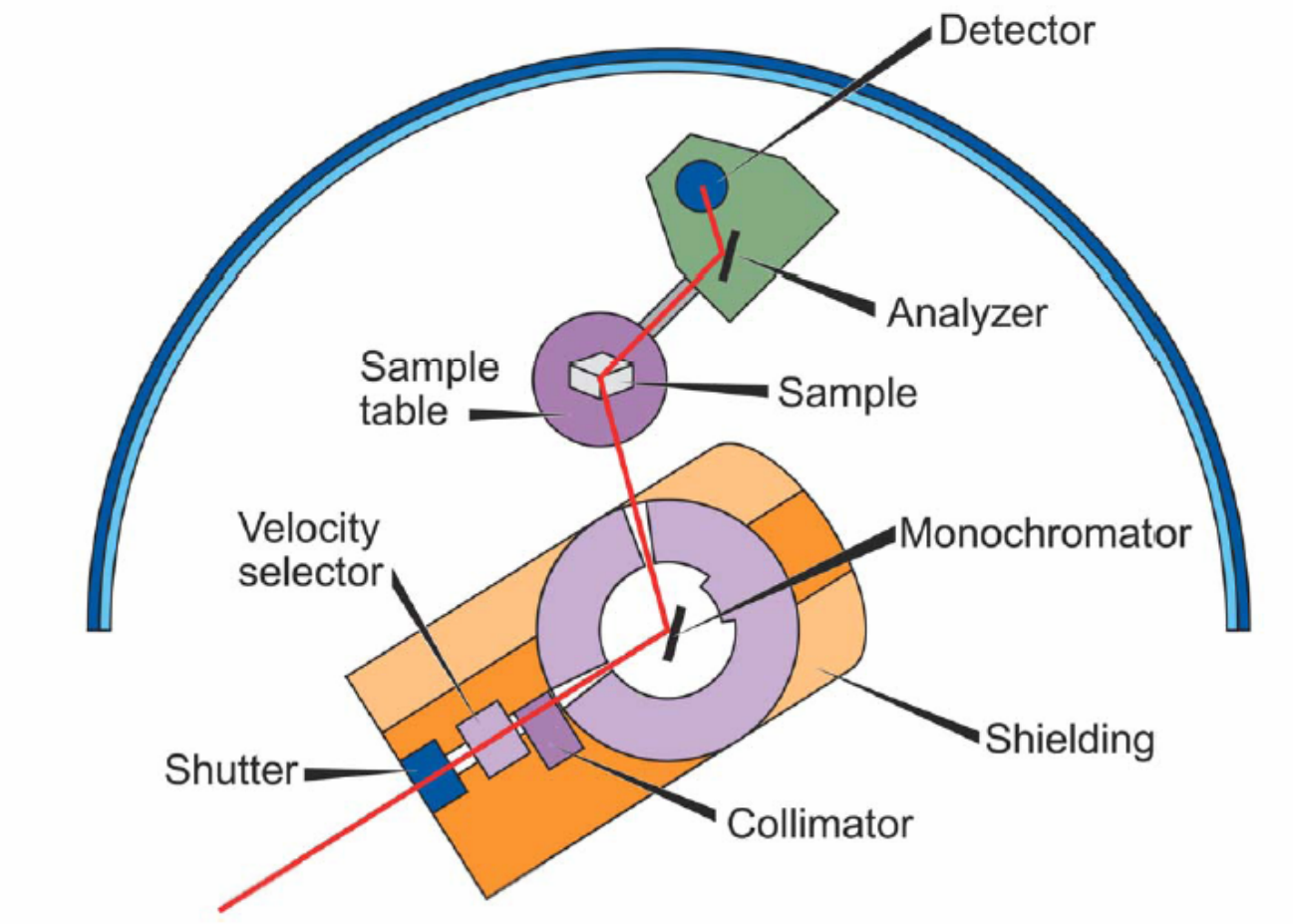


SEQUOIA

high resolution chopper spectrometer



CG-1: STAR

Sub-thermal Triple Axis Research Spectrometer

- Much of the most interesting research demands high resolution attainable with cold neutrons
- STAR is ideally complementary to time of flight spectrometers, allowing for excellent Q resolution and polarized studies
- Enormous impact potential in diverse areas including quantum criticality, SMM's, soft modes, bio-membranes, etc.