> **Goals:** Provide numerical input for Mott scattering in Geant4
> Provide estimate of error on these calculations
> Provide theoretical estimate of uncertainty for experiment
> Provide guidance of requirements for improved calculation

Short Term (next weeks-months)

Xavier will numerically compute Mott scattering
- cross-section
- Sherman function
- spin Transfer functions (T,U)

for electron with energy E from atom Z in angular steps T considering
- finite nuclear size
- Coulomb distortion

and provide errors associated with
- numerical computation
- center-of-mass effects
- Coulomb screening

Long Term (next months-season)

Charles will consider higher order radiative effects, that do not include nuclear excitation

Wally discussed problem with Xavier, received references for code he uses