

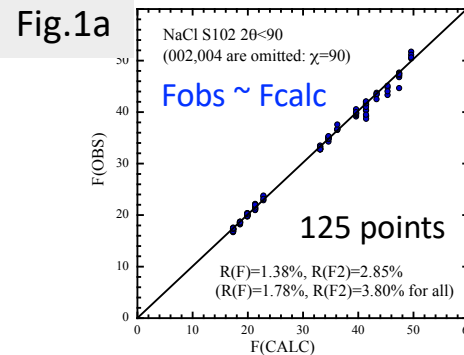


T2-2: FONDER

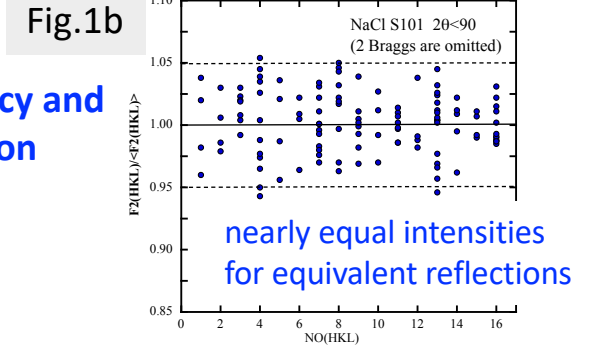
Four-circle Off-centered Neutron Diffractometer

Single crystal diffractometer to study crystal and magnetic structures under various sample environments

Structural Analysis : Standard sample NaCl 2.6x2.8x3.0mm³



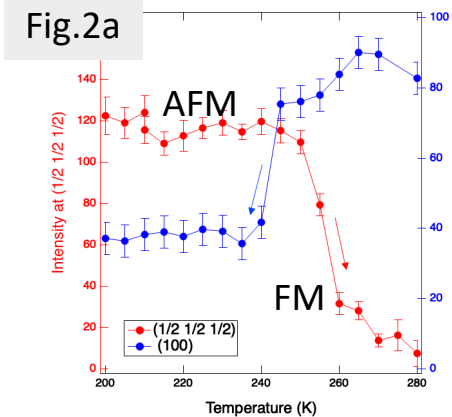
High accuracy and high precision



$R(F1)=0.0138$, $R(F2)=0.0285$

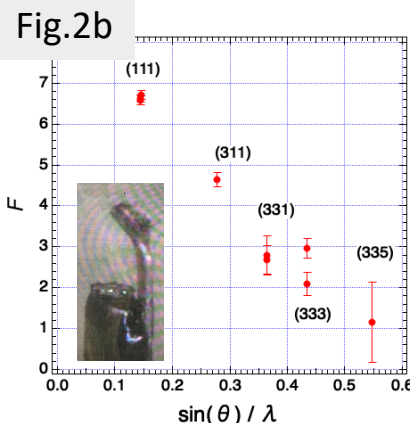
$R_{int}=2.17\%$

Magnetic Scattering: FM and AFM structures in FeRh



FM(blue) to AFM(red) transitions

FM - AFM transition in FeRh alloy was clearly observed using tiny high-quality single-crystal (0.55 x 0.65 x 1.3 mm³).



Observed magnetic structural factors

Nuclear scattering: Hydrogen bonding in α -Lactose Monohydrate

