

# Scattering from ordered and magnetic systems part 1

*Tuesday, 8 February 2022 13:30 (45 minutes)*

- Orientational distributions of particles ~ Measure the degree of orientational order ~ 2D inversion method to analyse anisotropic small-angle scattering ~ Revisit structure factor of particle assemblies (Self-assembly, partially ordered arrays of particles, mesocrystals)
- Small-angle diffraction (skyrmions, flux-line lattices) ~ Ewald sphere and area detector ~ Rocking Scans ~ Correlation function analysis (What is in the peak width, instrumental resolution)

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**Session Classification:** Webinars