

## Small-angle neutron scattering (SANS) part 1

*Wednesday, 2 February 2022 13:30 (30 minutes)*

- SAS from different kinds of radiation (light, electrons, X-rays, neutrons)
- Momentum transfer vector,  $Q$ . How to vary  $Q$ . Relationship between  $Q$ , scattering angle, and real-space distance
- Monochromatic vs time-of-flight SANS.
- Scattering length density (SLD).
- SANS instruments.
- Instrument resolution.
- SANS variants ~ Total scattering ~ VSANS. USANS. ~ SESANS.

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**Session Classification:** Webinars