

[SANS Q-range]
(Chapter 5.4.1 in *Elements*)

SANS Q-Range

Figure 5-QR.1 illustrates the ranges of Q-values and sizes of objects examined by various diffraction methods. USANS extends the range of sizes accessible to neutron scattering by two orders of magnitude from that of conventional SANS.

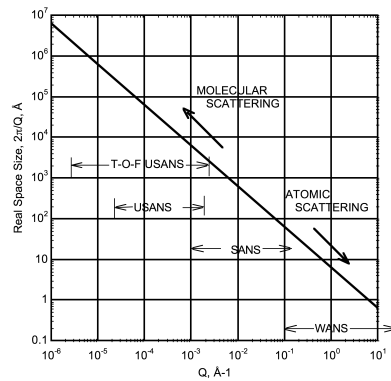


Figure 5-QR.1. Q-ranges and ranges of object sizes examined by various diffraction methods: WANS, conventional wide-angle diffraction; SANS, conventional point geometry small-angle neutron scattering; USANS, ultra-small-angle neutron scattering by the Bonse-Hart method; time-of-flight USANS, the time-of-flight adaptation of USANS, at SNS.