

*How is it measured? Inelastic / quasielastic*  Inelastic/quasielastic neutron scattering: triple axis

Used to measure crystalline samples since is the only that really measures  $S(\vec{Q}, \omega)$ 





Inelastic/quasielastic neutron scattering: time of flight device

## standard resolution, hughe energy range very versatile!



Inelastic/quasielastic neutron scattering: backscattering

high resolution, small energy range only for fast motions



Inelastic/quasielastic neutron scattering: Spin echo







How is it measured? diffraction



## Small angle neutron scattering (sans)









## Reflectometry









## Single crystal diffraction





![](_page_10_Picture_0.jpeg)

![](_page_10_Picture_1.jpeg)

![](_page_10_Figure_2.jpeg)