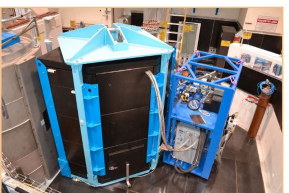
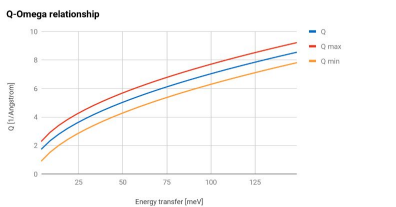
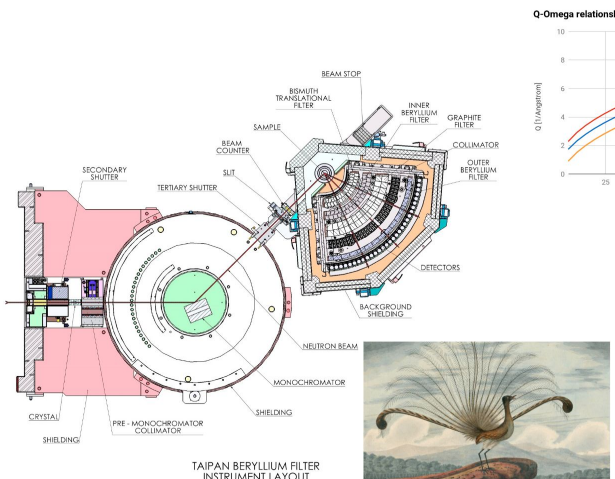
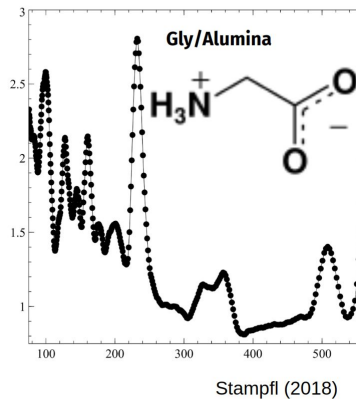
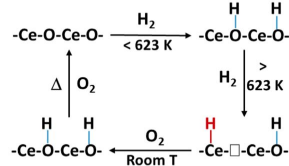
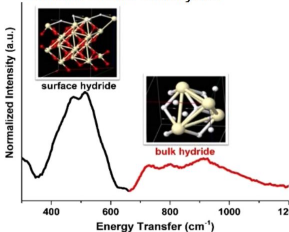


- Dynamics
  - low energy excitations
  - magnetism
  - vibrational spectroscopy
- 
- Thin-films
  - single crystals
  - powders
- 
- H-sensitive
  - Magnetically sensitive



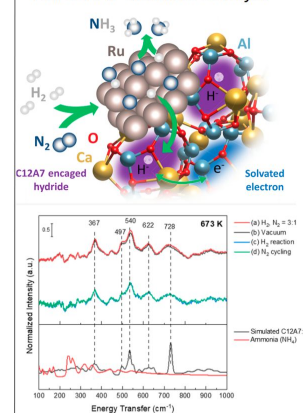
## Examples

### Cerium Oxide Catalysts



Zili Wu et al. J. Am. Chem. Soc. 2017, 139, 9721-9727

### Ammonia synthesis on a Ru/C12A7 electrode Catalyst



James Kammert et al. J. Am. Chem. Soc. 2020, 142, 7655-7667

### Isopropanol Conversion at Strontium Titanate (100) Surfaces

