

==> Next [ASP Online Lecture Series](#) starting on November 24th, at 14:30 UTC

tinyurl.com/y6gwgamz

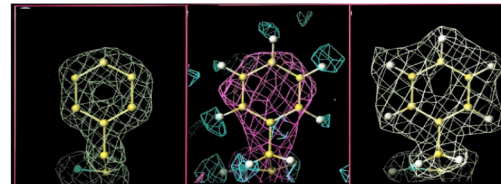
Topics: **”Synchrotron and neutron based diffraction and spectroscopic techniques”**

Part A: 6 lectures by Prof. Andrew Harrison, Diamond Light Source, Ltd

Part B: 4 lectures by Scientists from European Spallation Source, ERIC

Pinning down light elements

Neutron diffraction is particularly effective at finding light elements in diffraction experiments, and we can also exploit contrast between isotopes such as H and D



X-ray map Neutron map (H) Neutron map (D)

Though we could infer position of H's knowing where the other atoms are and using chemical intuition...



<https://twitter.com/ChristineDarve/status/1326634856126799872?s=20>