

Neutron Strain Scanner

•Stress-strain in large industrial components •Very intense, finely focussed neutron beam •Precise orientation of large objects

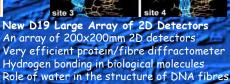
- ·Cracks in jet turbine engines
 ·The strength of welds in oil pipelines
 ·Work hardening of railway lines



New D3 and He3 Polarised Neutron Filter ·Laser pumped polarisation of He³ filter ·Intense magnetic field & low temperature

- ·Hot neutrons for high structural resolution Neutron polarimetry for magnetic materials
 New complex magnetic structures
- ·Subtle bonding effects between atoms

- ·Atomic structure of amorphous materials
- ·Structure of ionic solutions
- ·Isotope phase contrast



New D4 Liquids & Amorphous Machine Hot, short wavelength neutron beam ·Array of micro-strip detectors

