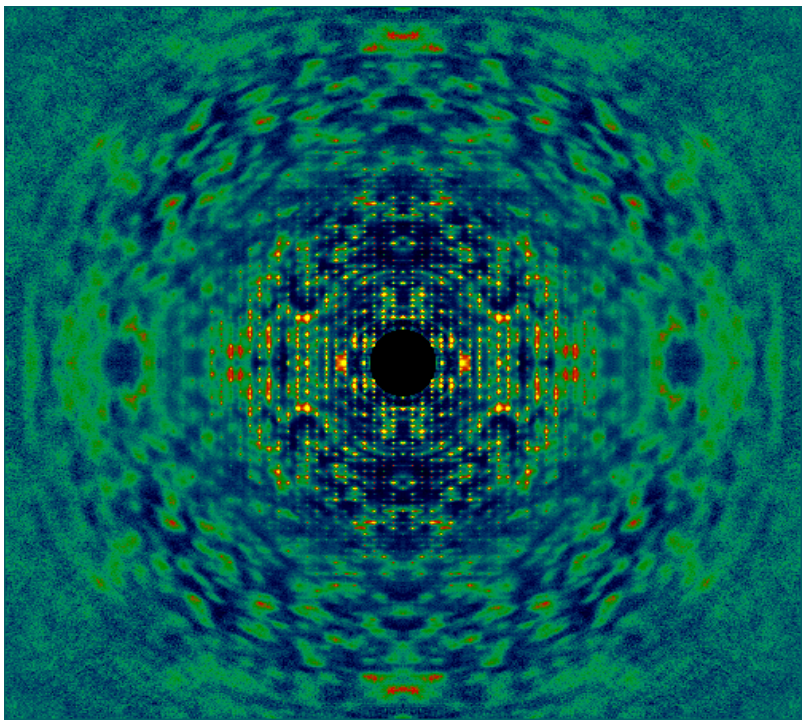
DESY
Physics Seminar

Imaging Molecules using X-ray free-electron lasers.

Special sem. room!

Henry Chapman (DESY)

Tuesday, 9 May 2017, 16:45 h, buildg. 2a, sem.room 2



The pulses from X-ray free-electron lasers are a billion times brighter than the brightest synchrotron beams available today. The short, intense X-ray laser pulses are so short they can out-run radiation damage, overcoming a major bottleneck for protein crystallography. I will describe the new methodologies for unravelling the structures of macromolecules using these sources, and show some examples of how we can track their motions in time. Very soon the European XFEL will beginn operations and the new capabilities of that source should bring even greater progress to the field of structural biology.

- **Coffee, tea and cookies will be served at 16:30h**
- **After the seminar there is a chance for private discussions with the speaker over wine and pretzels**

Accelerators | Photon Science | Particle Physics

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