the nuclear institute
central england branch

Nuclear Fusion: Building a Tokamak

Presented by:

Anthony Shaw (Plasma Spectroscopist, UKAEA)

Evening Lecture: Wednesday 27th June 2018

Doors open from 17:30 for 18:00 start. Refreshments and light buffet provided.

Ridgeway House, Rutherford Appleton Laboratory, Harwell Campus, Didcot, OX11 0QX
(Opposite to Rutherford Appleton Laboratory)

Lecture Synopsis:

Nuclear Fusion is the process which powers the sun, but can we harness it on earth? Magnetically confined fusion has been under experimental development since the 1960s, with improvements happening faster than Moore's Law for computer chips. In this lecture, the foremost design of fusion reactor – the Tokamak - will be explained and features of the two fusion reactors located just south of Oxford in Culham - the UK-owned MAST and the European-owned JET will be explored.

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