

Medical Accelerator Research in Australia: Developing Advanced Accelerators for Future Needs

Thursday 12 October 2023 16:15 (1 hour)

In this seminar I will give an overview of some of the research projects underway in the Medical Accelerator Physics group at the University of Melbourne, with a focus on the future potential of novel accelerator technologies in Australia. In 2023, our group inaugurated the first southern hemisphere X-band accelerator facility, on-track to realise a compact electron accelerator R&D lab with the X-LAB 'X-band Laboratory for Accelerators and Beams'. I will also overview how a scaled experimental technology demonstrator –the TURBO 'Technology for Ultra Rapid Beam Operation' project –aims to speed up particle therapy.

Presenter: Dr SHEEHY, Suzie (University of Oxford and University of Melbourne)