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Perspectives on compact and next-generation particle therapy systems

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Modern particle therapy systems incorporate incredibly advanced (and large!) technologies: from pencil beam scanning (PBS) to gantries, advanced imaging to superconducting magnets, all in the name of high quality –and cost effective –patient treatment. So what changes are needed for the next generation? In this talk I will give an overview of current and future trends in particle therapy accelerator technology, including highlighting some cases where opportunities exist for innovation. I will also introduce the TURBO ‘Technology for Ultra Rapid Beam Operation’ project at the University of Melbourne, as an illustration of how novel technologies can help overcome existing bottlenecks.

Speaker’s Title

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Speaker’s Gender

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Speaker’s Pronouns

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