

Positron Emission Particle Tracking: towards Principled Education, Physics and Technology

Monday, 18 March 2019 12:30 (30 minutes)

We use advanced nuclear measurement techniques to study the fundamental physics of material flows and the dynamics of physical systems. At the previous ANSTT meeting we presented a research strategy broadly aligned to the scientific programme. We now present developments over the past year, including new high speed data acquisition systems, machine learning explorations, and novel radioisotope techniques specific to iThemba LABS. We will provide an update on our laboratory's role in personnel development and training, and offer thoughts towards the use of our facility for metrology applications.

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