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Expanding PEPT applications with tracer techniques

Positron emission particle tracking (PEPT) is a non-invasive tracking technique best used in understanding the fundamental physics within opaque multiphase flow systems. This dedicated research facility is situated within iThemba LABS and requires accurate and representative tracers to mimic the behaviour of the material of interest for a system under study. This presentation divulges the development of tracers and the impact in the field of applied nuclear techniques by reporting the historical and current techniques used to make them.

Primary author: VAN HEERDEN, Michael (University of Cape Town)

Co-authors: BUFFLER, Andy (UCT); Dr COLE, Katie (Dept. Physics, University of Cape Town); Dr LEADBEATER, Tom (UCT)

Presenter: VAN HEERDEN, Michael (University of Cape Town)

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