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Research projects Utilising Penetrating Radiation: What to Expect when using Radiation Beams for Imaging

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Abstract content
 (Max 300 words)

The perception that penetrating ionising radiation, when used as an investigating probe, could be dangerous, hazardous, and uncontrollable and could induce damage to your research object or to your body as researcher is still valid today.

This talk will discuss these perceptions, including safety, and what to expect when embarking on a research project that requires the technique of radiography and/or tomography and eventually access onto the site of the South African Nuclear Energy Corporation (Necsa). The radiation beams for imaging, which are integrated into the research infrastructure and facilities of the Radiation Science Laboratories at Necsa, are being made available for free to post graduate students and researchers but questions are always asked about these specific safety aspects. If you are a post graduate student and want to evaluate your sample in a non-destructive manner through tomography (CT scanning), this talk is not to be missed as basic physical concepts will also be dealt with.

Apply to be considered for a student award (Yes / No)?

No

Level for award (Hons, MSc, PhD)?

No

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

No

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