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New iThemba-LABS and Wits University Ion Implantation Facility

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Abstract content
 (Max 300 words)

Ion implantation is one of the most versatile techniques for preparing solid surfaces for many different applications – in physics, chemistry, engineering or even biology, as users of the former University of the Witwatersrand facility will be aware.

Wits has now joined forces with iThemba LABS (Gauteng) to acquire a “new” second-hand ion implantation accelerator in a joint venture, and to equip it with a universal ion-source able to produce beams from the entire periodic table. The facility has been installed and commissioned and is available for collaborative research, with a resident operator-technician.

Some of the current research is described.

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

No

Level for award
 (Hons, MSc,
 PhD)?

N/A

Main supervisor (name and email)
and his / her institution

N/A

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

No

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