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## Beam experiments with the Grenoble Test Electron Cyclotron Resonance Ion Source at iThemba LABS

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**Abstract content**   
 (Max 300 words)   
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At iThemba Laboratory for Accelerator Based Sciences (iThemba LABS) a copy of the so-called Grenoble Test Source (GTS) for the production of highly charged ions is installed. The source in combination with the K-200 cyclotron delivers high energy, high intensity beams for nuclear physics experiments.

In this talk we present experiments with the GTS2 for Argon beams at iThemba LABS, in which the results of CW, pulsed and afterglow operation for different bias disc position and different supporting gases are compared.

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

NO

**Level for award (Hons, MSc, PhD, N/A)?**

NO

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

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

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Y

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