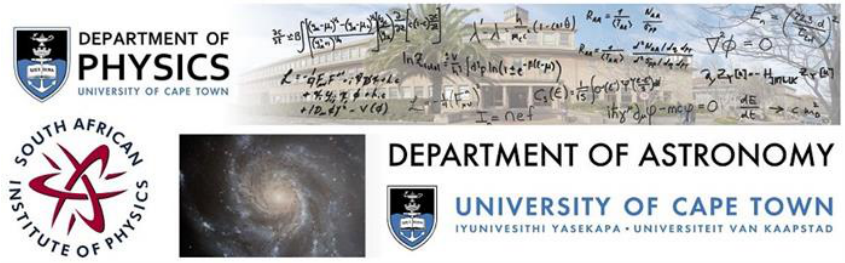

Contribution ID: **353** Type: **Oral Presentation**

Boundary Current Response in Ba_{0.34}K_{0.64}Fe₂As<sub>2</su Single Crystals Probed by Non-Resonant Microwave Absorption.

Tuesday, 5 July 2016 15:20 (20 minutes)

Abstract content
   (Max 300 words)
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Non-resonant microwave absorption (NRMA) in superconducting materials has become a new experimental technique to probe and understand superconducting materials [1]. For example cuprate superconductors are well studied with this technique [2]. At the same time the technique is also evolving. This technique (NRMA) has been used to study magnetic shielding effects/boundary current in Ba_{0.34}K_{0.64}Fe₂As<sub>2</ single crystals of iron pnictides superconducting sample measured at 9.4 GHz below TC (4.2K-36K). It has been established that a small modulation field used in NRMA experiment yield the boundary current response.

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