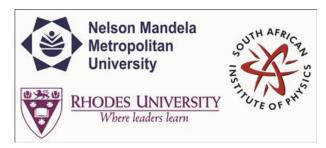
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### A Study Of Potential Calibrators Using The KAT-7 Telescope

Tuesday, 30 June 2015 11:50 (20 minutes)

# Abstract content <br> &nbsp; (Max 300 words)<br><a href="http://events.saip.org.za/getFile.py/atarget="\_blank">Formatting &<br>Special chars</a>

We studied Active Galactic Nuclei (AGN) as potential calibrators, which were observed by the Karoo Array Telescope (KAT-7) between Oct 13, 2012 and Feb 23, 2013. The KAT-7 is an engineering prototype for the coming sensitive array, the MeerKAT, one of the pathfinders for the Square Kilometer Array (SKA). The KAT-7, whose construction started in early 2008, has been undergoing engineering and science verifications since late 2010. In this presentation, we report the flux-density and position measurement accuracy of the KAT-7. Moreover, we explain the first steps towards identifying possible flux-density standards using variability metrics for short baseline interferometers such as the KAT-7.

#### Apply to be<br> considered for a student <br> &nbsp; award (Yes / No)?

Yes

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PhD

#### Main supervisor (name and email)<br>and his / her institution

Prof Oleg Smirnov: email: o.smirnov@ru.ac.za Institution: Rhodes University

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Yes

Primary author: Mr KASSAYE, Ermias (Rhodes University, Department of Physics)

**Co-authors:** Prof. BASSETT, Bruce (University of Cape Town (UCT)); Dr OOZEER, Nadeem (Square Kilometer Array, South Africa)

Presenter: Mr KASSAYE, Ermias (Rhodes University, Department of Physics)

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