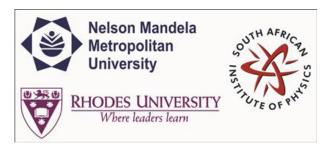
SAIP2015



Contribution ID: 406

Type: Oral Presentation

A Study Of Potential Calibrators Using The KAT-7 Telescope

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

Abstract content
 (Max 300 words)
Formatting &
Special chars

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
 considered for a student
 award (Yes / No)?

Yes

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

PhD

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

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

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

No

Please indicate whether
this abstract may be
published online
(Yes / No)

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)

Session Classification: Astro

Track Classification: Track D1 - Astrophysics