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Examining Radio & Gamma-ray correlation of the blazar PKS1424-418 during its flaring state.

Wednesday, 9 July 2014 11:30 (20 minutes)

Abstract content
 (Max 300 words)
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We carried out a multi-frequency cross-correlation analysis of the blazar PKS 1424-418 with data collected by Fermi-LAT and the HartRAO 26m radio telescope between 2012 September 10th and 2013 September 8th during its flaring state. Using the z-transformed discrete cross-correlation function from Alexander (1997), we examined the data for time lags. Our results confirmed the existence of a significant cross-correlation between the gamma-ray and the radio data, with the radio events being delayed relative to the gamma-ray events.

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Level for award
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MSc

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

Michael Gaylard mike@hartrao.ac.za HartRAO

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yes

Primary author: Mrs VAN ZYL, Pfesesani (HartRAO)

Presenter: Mrs VAN ZYL, Pfesesani (HartRAO)

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