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

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**Abstract content
 (Max 300 words)
Formatting &
Special chars**

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.

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

yes

**Level for award
 (Hons, MSc,
 PhD)?**

MSc

**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)?**

yes

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