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Observing 5 MHONGOOSE galaxies with the KAT-7

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

In preparation of the MHONGOOSE survey to be conducted with the upcoming MeerKAT telescope, we use the KAT-7 telescope to observe 5 galaxies of the survey sample. With its short baselines and high surface brightness sensitivity, the KAT-7 allowed us to observe the galaxies down to low column density levels. Using 3 different phase calibrators for each galaxy, we developed a calibration technique to be used with the MeerKAT telescope, and determined the best calibrator for each of the galaxies. Also, comparisons with single dish observations show that most of the fluxes of the galaxies are detected by the KAT-7.

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

No

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

PhD

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

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