

# Poster: Monitoring of the polarizations of the Hydroxyl masers in the periodic methanol masers source G9.62+0.20E

- **Benedicta Woode**

Monitoring of the 1.6GHz Hydroxyl masers towards the regularly varying 6.7GHz methanol maser in G9.62+0.20E was instituted with the 26-m Hartebeesthoek Radio Astronomy Observatory telescope from 2011 to 2014. Additional data was taken during the January-April flaring phase of 2017 to investigate the similarities and differences in the variability behaviour of the two maser species. This is a behaviour that had not been noted in the hydroxyl or water masers in this region. The source was observed at intervals of 1-2 weeks, with daily observations during the flaring phase and at 2-3 day intervals as the source entered the quiescent phase. The spectra and light curves of the hydroxyl masers showing long term variability in both left and right circular polarization for a time span of 1200 days is presented.

*Galactic Scale*