

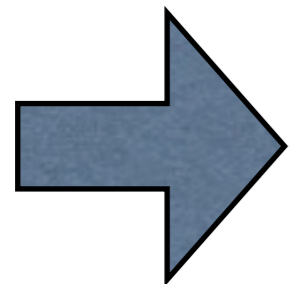


The OVRO 40-m blazar monitoring program

[http://www.astro.caltech.edu/
ovroblazars/](http://www.astro.caltech.edu/ovroblazars/)

Current Sample

- 1158 sources from the CGRaBS (The Candidate Gamma-Ray Blazar Survey)
- All AGN associations from the 1FGL catalog (=221 new sources)
- All AGN associations from the 2FGL catalog (=241 new sources)
- + additional interesting sources from CRATES, MOJAVE etc.



~ 1810 sources in total

Monitoring cadence

- Observations started in 2007
- All sources observed twice per week (possible for ~ 1500 sources)
- After addition of the 2FGL sources ~200 randomly selected sources (from non-Fermi detected faint objects) are observed only once per week
- Scheduling is done on a weekly basis

Results (so far)

- Program description + variability of Fermi detected vs. non-detected in CGRaBS based on 2 years of data (Richards et al. 2011, ApJS, 194, 29)
- Correlation of radio and gamma-ray flux (Ackermann et al. 2011, ApJ, 741, 30 and Pavlidou et al. 2012, ApJ, 751, 149)
- Cross-correlation of radio and gamma-ray light curves (Max-Moerbeck et al. 2013 - to be submitted soon)
- Variability using 4 years of data and addition of IFGL sources (Richards et al. 2013 - in preparation)
- QPOs (King et al. 2013 - in preparation)
- Flare-fitting (Leitch et al. + Hovatta et al. in preparation)

KuPol

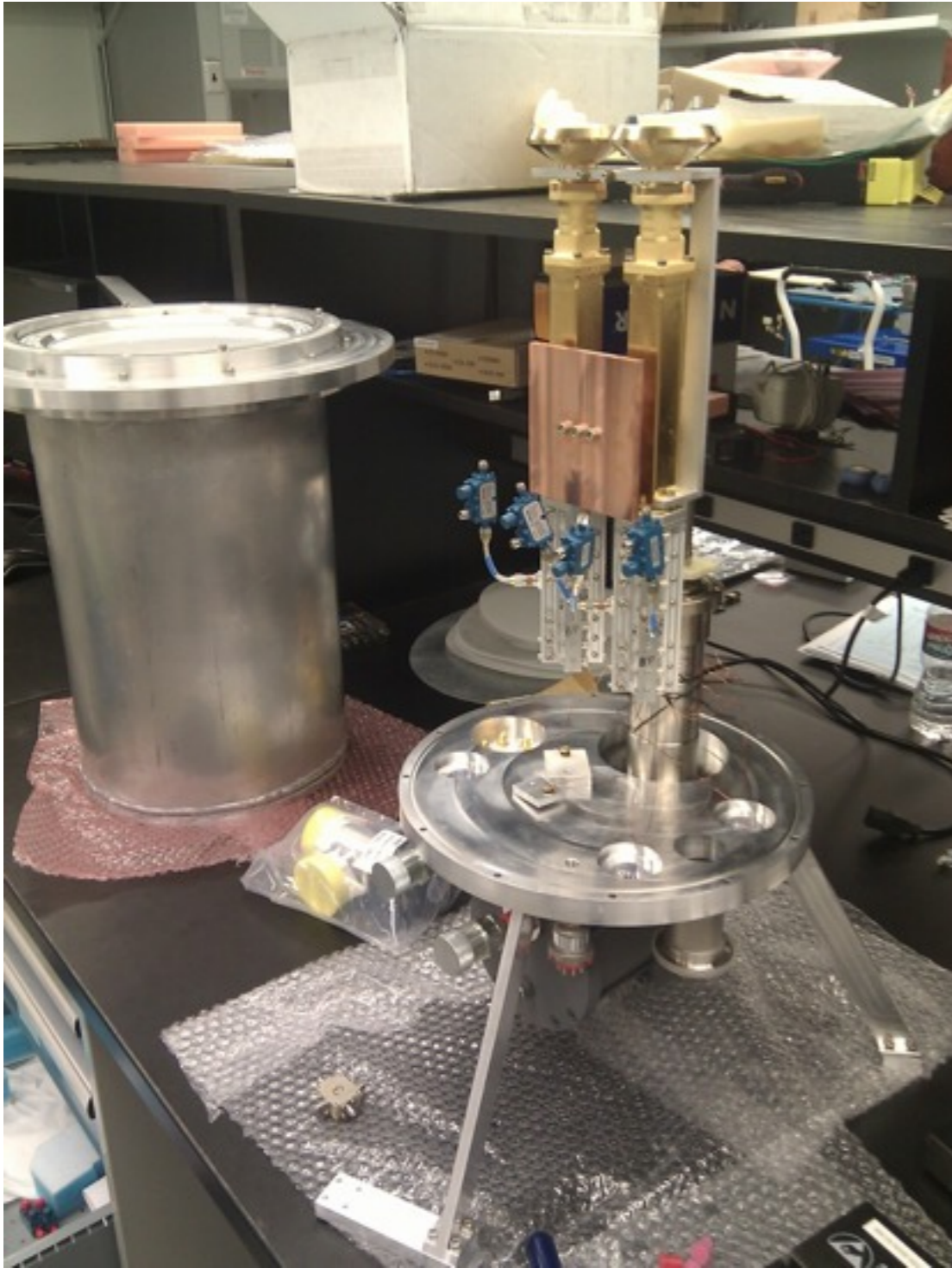


Photo by O. King

- New polarization receiver to operate between 12 and 18 GHz
- If our currently monitored sources are on average 2% polarized we should detect about 300 with $S/N \sim 10$
- Testing in the lab is ongoing (?)
- To be installed in May (?)