

47th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) –  
The Next Steps (A4)  
SETI 1: SETI Science and Technology (1)

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SETI RADIO SURVEYS OF THE DISTANT UNIVERSE

**Abstract**

SETI surveys typically focus on targeted radio observations of nearby systems such as local stars in the Milky Way using single dish telescopes. A few observations have also been made of Galaxies in the local group. The latter have the advantage that billions of stars are observed in a single pointing. Nevertheless, such observations have produced a very limited scientific return, at least in terms of success in SETI.

It seems to us that success in SETI may require us to move beyond traditional paradigms and to consider less orthodox approaches - more specifically we present the idea of making prototype observations of high-redshift galaxies using radio interferometers across a range of different redshifts. We present the first such observations using the e-MERLIN radio telescope.