

# Magnetic field structure in halos of star-forming disk galaxies

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The CHANG-ES (Continuum HALos in Nearby Galaxies - an EVLA Survey) project has observed a sample of 35 edge-on spiral galaxies with the JVLAs in C- and L-band. The observations in all Stokes parameters provide polarization information and for 16 galaxies with extended emission it is possible to describe the large scale magnetic field structure in their halos. We exemplify a few of these objects and demonstrate the properties of the mean large-scale magnetic field structure as a result from a stacking experiment. We briefly compare the results with the Milky Way and discuss implications for the transport of cosmic ray electrons.

## Keywords

radiocontinuum polarization, magnetic fields, disk galaxy, CRE transport

## Collaboration

other (fill field below)

## other Collaboration

CHANG-ES

## Subcategory

Experimental Results

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**Session Classification:** Discussion

**Track Classification:** Scientific Field: MM | Multi-Messenger