

## PUBLICATION LIST

- “Disentangling the Galactic Faraday sky”,  
**S. Hutschenreuter**, M. Haverkorn and T. Ensslin ([in prep.](#) )
- “RMTable and PolSpectra: standards for reporting polarization and Faraday rotation measurements of radio sources”,  
C. Van Eck, B. M. Gaensler, **S. Hutschenreuter**, et al. ([submitted to AAS](#) )
- “A method for reconstructing the Galactic magnetic field using dispersion of fast radio bursts and Faraday rotation of radio galaxies”,  
A. Pandhi, **S. Hutschenreuter**, J. L. West, B. M. Gaensler, and A. Stock ([MNRAS](#) / [arXiv:2208.06417](#))
- “Studying Bioluminescence Flashes with the ANTARES Deep Sea Neutrino Telescope”,  
N. Reeb, **S. Hutschenreuter**, P. Zehetner, T. Ensslin, and the ANTARES Collaboration ([submitted to Limnology and Oceanography](#) / [arXiv:2107.08063](#) )
- “The Galactic Faraday sky 2020”,  
**S. Hutschenreuter** et al. ([Astronomy and Astrophysics](#) / [arXiv:2102.01709](#) )
- “The Galactic Faraday depth sky revisited”,  
**S. Hutschenreuter**, T. Enßlin ([Astronomy and Astrophysics](#) / [arXiv:1903.06735](#) )
- “NIFTy5: Numerical Information Field Theory”,  
P. Arras; M. Baltac; T.A. Ensslin, P. Frank **S. Hutschenreuter** ([Astrophysics Source Code Library](#), [ascl:1903.008](#))
- “Determining the composition of radio plasma via circular polarization: the prospects of the Cygnus A hot spots”,  
T. Enßlin , **S. Hutschenreuter**, ( [Journal for Cosmology and Astroparticle Research](#) / [arXiv:1808.07061](#))
- “The primordial magnetic field in our cosmic backyard”,  
**S. Hutschenreuter**, S.Dorn, J. Jasche, F. Vazza, D. Paoletti, G. Lavaux, T. Enßlin ([Classical and Quantum Gravity](#) / [arXiv:1803.02629](#))
- “NIFTy 3 - Numerical Information Field Theory - A Python framework for multicomponent signal inference on HPC clusters”,  
T. Steininger, J. Dixit, P. Frank, M. Greiner, **S. Hutschenreuter**, J. Knollmüller, R. Leike, N. Porqueres, D. Pumpe, M. Reinecke, M. Sraml, C. Varady, T. Enßlin ([Annalen der Physik](#) / ([arXiv:1708.01073](#)))
- “The Galaxy in circular polarization: all-sky radio prediction, detection strategy, and the charge of the leptonic cosmic rays”,  
T. Enßlin, **S. Hutschenreuter**, V. Vacca, N. Oppermann ([Physical Review D](#) / [arXiv:1706.08539](#))