Publication List

- ""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 (submitted to MNRAS)
- "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)