

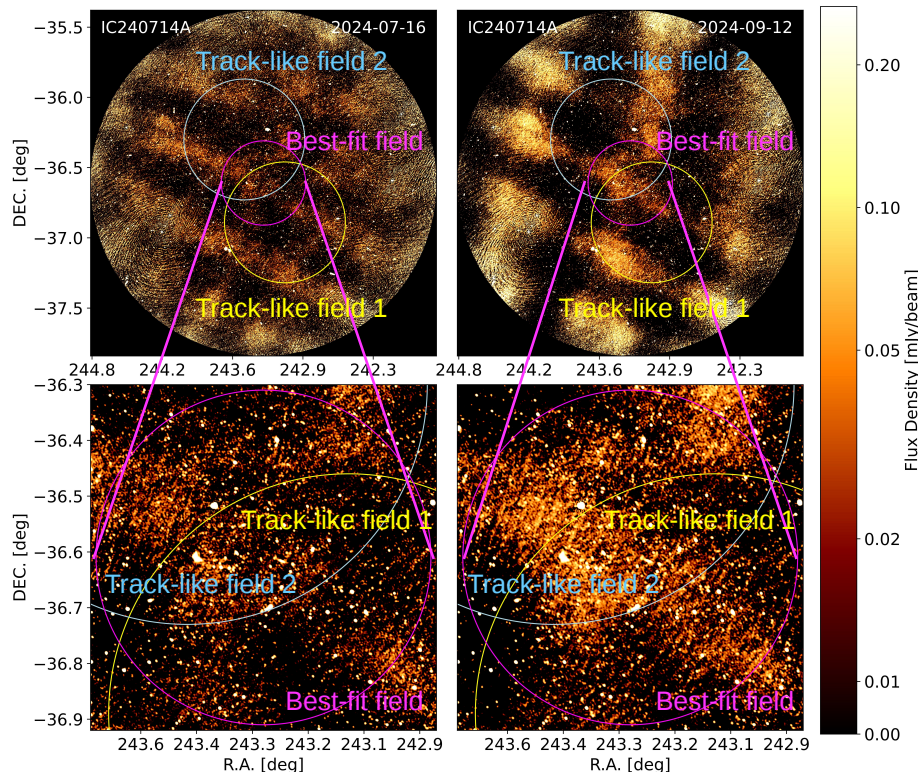
# A Census of Variable and Transient Radio Sources within Southern-Hemisphere IceCube Neutrino Fields



Florian Rösch



E. Bonnassieux, R. Deane, P. G. Edwards, F. Eppel, A. Franckowiak, J. Heßdörfer, M. Kadler, K. Mannheim, H. Shetgaonkar, G. Sommani



- IceCube Collaboration 2023 found no significant correlation between neutrino emission and bright AGN
- **There must be a faint and numerous source population of neutrino-emitters that could be harbored in the sub-mJy radio sky and was unnoticed in previous studies**
- Triggered MeerKAT continuum ToO observations at UHF-band of IceCube neutrino fields that are covered by MeerKAT field of view of  $\sim 5 \text{ deg}^2$