
The LOFAR-EoR key science project: upper limits and science highlights

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Abstract

The LOFAR-EoR team is working towards detecting the cosmological radiation emitted billions of years ago, from the time of the first ‘stars’. However, detection of this weak emission is a very daunting task. During my talk I will give an overview of the LOFAR-EoR Key Science Project, its observational challenges, a status of data acquisition, data processing and analysis, and current power-spectrum limits on the redshifted 21-cm signal. I will also present intriguing results related to the intervening Galactic synchrotron emission.

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