

## GLOW Newsletter - 2017, Juni 8

### News:

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#### - *Radio astronomy proposals granted by Verbundforschung*

The BMBF fosters the development of research infrastructure via the Verbundforschung funding line. In the upcoming Verbundforschung funding period radio astronomy will be substantially supported. Four projects of a proposal aiming for developing the German LOFAR infrastructure further and five projects of a proposal aiming for enabling MeerKAT data management and handling in Germany have been granted. The support by the BMBF Verbundforschung funding is essential for University research groups to participate in the development of future radio telescopes to benefit from data access.

#### - *eRosita - LOFAR*

A group of scientist from the LOFAR Surveys KSP and from the German eROSITA team has discussed synergies between the two surveys. The overlap between LOFAR sky survey (LOTSS) and the part of sky observed with eROSITA amounts to 3000 sq deg only. A project to survey galaxy clusters with LOFAR and eRosita will be led by M. Brüggen and T. Reiprich.

<http://erositalofar2017.weebly.com>

#### - *LOFAR in Physik in unserer Zeit*

In the recent issue of 'Physik in unserer Zeit' the LOFAR telescope is described by M. Hoeft.

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1521-3943](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1521-3943)

#### - *Summerstudents working on LOFAR data*

This summer, a group of 4 students from Arizona State University spend 8 weeks at the universities of Bochum and Hamburg to work on LOFAR data. This programme is sponsored by the US National Science Foundation and runs for its 5th year. One student from Oberlin College in Ohio visiting the LOFAR group at the University Bielefeld to work on LOFAR data.

#### - *Diffuse emission in Galaxy Clusters - Workshop*

The Galaxy Cluster group of the DFG research group on Cosmic Magnetism has recently held workshop at MPA in Garching. This workshop concluded the successful research aiming to understand the origin of cosmic magnetic fields carried out in the last six years by the research group. During the workshop the potential of LOFAR to discover steep spectrum radio sources, e.g. fossil AGN, has been impressively shown in many contributions.

<http://www.tls-tautenburg.de/research/hoeft/DiffuseEmissionGalaxyClusters2017/>

- *SKA Science Town Hall Meeting*

SKAO has held a town hall meeting to brief the scientific community on a preliminary package of cost reduction measures and for the community to report on their scientific assessments of such measures across the entire breadth of SKA science. Presentations are available online.

<https://indico.skatelescope.org/event/443/>

- MeerKAT 32 first images

SKA SA presents recent progress in installing MeerKAT to Minister Naledi Pandor. The images reveal the potential of MeerKAT.

<http://www.ska.ac.za/media-releases/ska-sa-presents-first-array-release-1-5-images-taken-with-meerkat-32-to-minister-naledi-pandor/>

**Announcements:**  
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- *The Broad Impact of Low Frequency observing - Conference*

The conference will take place between 19-23 June 2017 in Bologna (Italy). It will run from Monday morning, 9am till Friday, lunchtime. On Friday afternoon, we will hold the 4th LOFAR Users Meeting, at the same venue.

<http://www.astron.nl/lowfrequencyobserving2017/>

- *Big Data Made in Germany - Conference*

Challenges arising from enormous amount of data produced by the next generation of telescopes will be addressed in a conference which aims for bringing together high-ranking representatives from astronomy, big data science, industry, and politics. A symposium with a panel discussion will be held at the Bode museum in Berlin.

<https://inka.htw-berlin.de/bigdata/17/>

- *Astronomische Gesellschaft Annual Meeting*

The Annual Meeting of the Astronomische Gesellschaft 2017 (AG2017) entitled "The many Scales of the Universe: Galaxies, their Suns, and their Planets" will be held from September 18-22, 2017 at the Georg-August-Universität Göttingen and the Max-Planck-Institut für Sonnensystemforschung. There will be splinter session on "Surveying the non-thermal Universe"

<http://ag2017.uni-goettingen.de>

- *Radio 2017: Radio astronomy in the multi-frequency survey era*

GLOW Annual Assembly and GLOW SKA Meeting will take place on 5-6 October in Würzburg. The meeting aims for bringing together scientist working on current or future surveys in frequency regimes related to radio astronomy (e.g. SKA, ALMA, SPT, eROSITA, Athena, Fermi-LAT and CTA).

<https://indico.scc.kit.edu/indico/event/284/>

Matthias Hoeft, on behalf of the GLOW EC