

E. Chapman and M. Santos. A Full Treatment of Peculiar Velocities on the Reionization Light Cone. *MNRAS*, 490(1):1255-1269, November 2019, <https://doi.org/10.1093/mnras/stz2663>, arxiv: 1909.12859

E. Chapman and V. Jelic. Foregrounds and their mitigation. To appear as a book chapter in "The Cosmic 21-cm Revolution: Charting the first billion years of our Universe", Ed. Andrei Mesinger (Bristol: IOP Publishing Ltd.) AAS-IOP ebooks, September 2019, arxiv: 1909.12369

T. Page, A. Bull, **E. Chapman**. Making Power Visible: "Slow Activism" to Address Staff Sexual Misconduct in Higher Education. *Violence Against Women*, Volume 25, Issue 11, may 2019, <https://doi.org/10.1177/1077801219844606>

E. Chapman. Tuning in to the cosmic dawn, *Nature Astronomy*, Volume 3, p. 298-299, April 2019, <https://doi.org/10.1038/s41550-019-0752-9>

E. Chapman. Foreground Mitigation in the Epoch of Reionization. "Peering towards Cosmic Dawn" Proceedings of the International Astronomical Union, IAU Symposium, Volume 333, pp. 261-268, May 2018, <https://doi.org/10.1017/S1743921317010419>

A. H. Patil, S. Yatawatta, L. V. E. Koopmans, and LOFAR EoR Team inc. **E. Chapman**. Upper limits on the 21-cm Epoch of Reionization power spectrum from one night with LOFAR. *The Astrophysical Journal*, 838(1):65, mar 2017, <https://doi.org/10.3847/1538-4357/aa63e7>, arXiv:1702.08679

M. Mevius, S. van der Tol, V. N. Pandey, and LOFAR EoR Team inc. **E. Chapman**. Probing ionospheric structures using the LOFAR radio telescope. *Radio Science*, 51(7):927-941, jun 2016, <https://doi.org/10.1002/2016RS006028>, arXiv:1606.04683

E. Chapman, S. Zaroubi, F. B. Abdalla, F. Dulwich, V. Jelic, and B. Mort. The effect of foreground mitigation strategy on EoR window recovery. *Monthly Notices of the Royal Astronomical Society*, 458(3):2928-2939, may 2016, <https://doi.org/10.1093/mnras/stw161>, arXiv:1408.4695

S. Majumdar, H. Jensen, G. Mellema, **E. Chapman**, F. B. Abdalla, K-Y. Lee, I. T. Iliev, K. L. Dixon, K. K. Datta, B. Ciardi, E. R. Fernandez, V. Jelic, L. V. E. Koopmans, and S. Zaroubi. Effects of the sources of reionization on 21-cm redshift-space distortions. *Monthly Notices of the Royal Astronomical Society*, 456(2):2080-2094, feb 2016, <https://doi.org/10.1093/mnras/stv2812>, arXiv:1509.07518

V. Jelic, A. G. de Bruyn, V. N. Pandey, M. Mevius, M. Haverkorn, M. A. Brentjens, L. V. E. Koopmans, S. Zaroubi, F. B. Abdalla, K. M. B. Asad, S. Bus, **E. Chapman**, B. Ciardi, E. R. Fernandez, A. Ghosh, G. Harker, I. T. Iliev, H. Jensen, S. Kazemi, G. Mellema, A. R. Offringa, A. H. Patil, H. K. Vedantham, and S. Yatawatta. Linear polarization structures in LOFAR observations of the interstellar medium in the 3C 196 field. *Astronomy & Astrophysics*, 583:A137, nov 2015, <https://doi.org/10.1051/0004-6361/201526638>, arXiv:1508.06650

B. Ciardi, S. Inoue, and LOFAR EoR Team inc. **E. Chapman**. Simulating the 21 cm forest detectable with LOFAR and SKA in the spectra of high-z GRBs. *Monthly Notices of the Royal Astronomical Society*, 453(1):101-105, apr 2015, <https://doi.org/10.1093/mnras/stv1640>, arXiv:1504.07448

A. Ghosh, L. V. E. Koopmans, **E. Chapman**, and V. Jelic. A Bayesian analysis of redshifted 21-cm H i signal and foregrounds: simulations for LOFAR. *Monthly Notices of the Royal Astronomical Society*, 452(2):1587-1600, jul 2015, <https://doi.org/10.1093/mnras/stv1355>, arXiv:1506.04982

E. Chapman, A. Bonaldi, G. Harker, Jelic Vibor, F. B. Abdalla, G. Bernardi, J. Bobin, F. Dulwich, B. Mort, M. Santos, and J. L. Starck. Cosmic dawn and epoch of reionization foreground removal with the SKA. *The Cosmic Dawn and Epoch of Reionisation with SKA. Proceedings of Advancing Astrophysics with the Square Kilometre Array (AASKA14)*. 9 -13 June,

page 1, may 2015

L. Koopmans, J. Pritchard, G. Mellema, J. Aguirre, K. Ahn, R. Barkana, I. van Bemmell, G. Bernardi, A. Bonaldi, F. Briggs, A. G. de Bruyn, T. C. Chang, **E. Chapman**, X. Chen, B. Ciardi, P. Dayal, A. Ferrara, A. Fialkov, F. Fiore, K. Ichiki, I. T. Illiev, S. Inoue, V. Jelic, M. Jones, J. Lazio, U. Maio, S. Majumdar, K. J. Mack, A. Mesinger, M. F. Morales, A. Parsons, U. L. Pen, M. Santos, R. Schneider, B. Semelin, R. S. de Souza, R. Subrahmanyan, T. Takeuchi, H. Vedantham, J. Wagg, R. Webster, S. Wyithe, K. K. Datta, and C. Trott. The Cosmic Dawn and Epoch of Reionisation with SKA. Proceedings of Advancing Astrophysics with the Square Kilometre Array (AASKA14). 9 -13 June, page 1, may 2015

K. M. B. Asad, L. V. E. Koopmans, V. Jelic, and LOFAR EoR Team inc. **E. Chapman**. Polarization leakage in epoch of reionization windows - I. Low frequency array observations of the 3C196 field. Monthly Notices of the Royal Astronomical Society, 451(4):3709–3727, mar 2015, <https://doi.org/10.1093/mnras/stv1107>, arXiv:1503.01644

H. K. Vedantham, L. V. E. Koopmans, A. G. de Bruyn, and LOFAR Team inc. **E. Chapman**. Lunar occultation of the diffuse radio sky: LOFAR measurements between 35 and 80 MHz. Monthly Notices of the Royal Astronomical Society, 450(3):2291–2305, may 2015, <https://doi.org/10.1093/mnras/stv746>, arXiv:1407.4244

A. H. Patil, S. Zaroubi, **E. Chapman**, and LOFAR EoR Team. Constraining the epoch of reionization with the variance statistic: Simulations of the LOFAR case. Monthly Notices of the Royal Astronomical Society, 443(2):1113–1124, jan 2014

V. Jelic, A. G. de Bruyn, M. Mevius, and LOFAR EoR Team inc. E. Chapman. Initial LOFAR observations of epoch of reionization windows. Astronomy & Astrophysics, 568:A101, aug 2014, <https://doi.org/10.1093/mnras/stu1178>, arXiv:1401.4172

L. Wolz, F. B. Abdalla, C. Blake, J. R. Shaw, **E. Chapman**, and S. Rawlings. The effect of foreground subtraction on cosmological measurements from intensity mapping. Monthly Notices of the Royal Astronomical Society, 441(4):3271–3283, oct 2014, <https://doi.org/10.1093/mnras/stu792>, arXiv:1310.8144

E. Chapman, F. B. Abdalla, J. Bobin, J. L. Starck, G. Harker, V. Jelic, P. Labropoulos, M. A. Brentjens, S. Zaroubi, A. G. de Bruyn, and L. V. E. Koopmans. The scale of the problem: Recovering images of reionization with generalized morphological component analysis. Monthly Notices of the Royal Astronomical Society, 429(1):165–176, sep 2013, <https://doi.org/10.1093/mnras/sts333>, arXiv:1209.4769

S. Yatawatta, A. G. de Bruyn, M. A. Brentjens, and LOFAR Team inc. **E. Chapman**. Initial deep LOFAR observations of epoch of reionization windows. Astronomy & Astrophysics, 550:A136, feb 2013, <https://doi.org/10.1051/0004-6361/201220874>, arXiv:1301.1630

H. Jensen, K. K. Datta, G. Mellema, **E. Chapman**, F. B. Abdalla, I. T. Illiev, Y. Mao, M. G. Santos, P. R. Shapiro, S. Zaroubi, G. Bernardi, M. A. Brentjens, A. G. De Bruyn, B. Ciardi, G.J.A. Harker, V. Jelic, S. Kazemi, L. V.E. Koopmans, P. Labropoulos, O. Martinez, A. R. Offringa, V. N. Pandey, J. Schaye, J. Schaye, R. M. Thomas, V. Veligatla, H. Vedantham, and S. Yatawatta. Probing reionization with LOFAR using 21-cm redshift space distortions. Monthly Notices of the Royal Astronomical Society, 435(1):460–474, mar 2013

H. Jensen, K. K. Datta, G. Mellema, **E. Chapman**, F. B. Abdalla, I. T. Illiev, Y. Mao, M. G. Santos, P. R. Shapiro, S. Zaroubi, G. Bernardi, M. A. Brentjens, A. G. De Bruyn, B. Ciardi, G.J.A. Harker, V. Jelic, S. Kazemi, L. V.E. Koopmans, P. Labropoulos, O. Martinez, A. R. Offringa, V. N. Pandey, J. Schaye, J. Schaye, R. M. Thomas, V. Veligatla, H. Vedantham, and S. Yatawatta. Probing reionization with LOFAR using 21-cm redshift space distortions. Monthly Notices of the Royal Astronomical Society, 435(1):460–474, mar 2013, <https://doi.org/10.1093/mnras/stt1341>, arXiv:1303.5627

E. Chapman, F. B. Abdalla, G. Harker, V. Jelic, P. Labropoulos, S. Zaroubi, M. A. Brentjens, A. G. de Bruyn, and L. V. E. Koopmans. Foreground removal using fastica: A showcase of

LOFAR-EoR. Monthly Notices of the Royal Astronomical Society, 423(3):2518–2532, jan
2012, <https://doi.org/10.1111/j.1365-2966.2012.21065.x>, arXiv:1201.2190