

# Mechanismus urychlení a ztrát energetických elektronů (RE – runaway electrons)

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## Articles in Journals

- [Abb+23] S. Abbasi et al. “Plasma diagnostics using fast cameras at the GOLEM tokamak”. In: *Fusion Engineering and Design* 193 (2023), p. 113647. ISSN: 0920-3796. DOI: <https://doi.org/10.1016/j.fusengdes.2023.113647>. URL: <https://www.sciencedirect.com/science/article/pii/S0920379623002302>.
- [Cer+22] J. Cerovsky et al. “Progress in HXR diagnostics at Golem and COMPASS tokamaks”. In: *Journal of Instrumentation* 17.01 (Jan. 2022), p. C01033. DOI: 10.1088/1748-0221/17/01/c01033. URL: <https://doi.org/10.1088/1748-0221/17/01/c01033>.
- [Kul+22] S. Kulkov et al. “Detection of runaway electrons at the COMPASS tokamak using a Timepix3-based semiconductor detector”. In: *Journal of Instrumentation* 17.02 (Feb. 2022), P02030. DOI: 10.1088/1748-0221/17/02/p02030. URL: <https://doi.org/10.1088/1748-0221/17/02/p02030>.
- [Sar+21a] G Sarancha et al. “Magnetic turbulence and long-range correlation studies in the Golem tokamak”. In: *Journal of Physics: Conference Series* 2055.1 (Oct. 2021), p. 012003. DOI: 10.1088/1742-6596/2055/1/012003. URL: <https://doi.org/10.1088/1742-6596/2055/1/012003>.
- [Nov+20] L. Novotny et al. “Runaway electron diagnostics using silicon strip detector”. In: *Journal of Instrumentation* 15.07 (July 2020), p. C07015. DOI: 10.1088/1748-0221/15/07/c07015. URL: <https://doi.org/10.1088/1748-0221/15/07/c07015>.
- [Dhy+19b] P. Dhyani et al. “Study of Runaway Electrons in Golem Tokamak”. In: *Journal of Instrumentation* 14.09 (Sept. 2019), pp. C09029–C09029. DOI: 10.1088/1748-0221/14/09/c09029. URL: <https://doi.org/10.1088/1748-0221/14/09/c09029>.
- [Sto+19] J. Stockel et al. “Operational Domain in Hydrogen Plasmas on the Golem Tokamak”. In: *Journal of Fusion Energy* 38 (Mar. 2019), pp. 253–261. ISSN: 1572-9591. DOI: 10.1007/s10894-019-00215-7.

## Conference proceedings

- [Cer+23] J. Cerovsky et al. “Runaway electron studies via HXR spectroscopy at GOLEM, COMPASS and TCV”. In: *European Conference on Plasma Diagnostics*. Rethymno, Apr. 2023. URL: [http://golem.fjfi.cvut.cz/wiki/Presentations/Conferences/ECPD/5th\\_Rethymno\\_2023/poster.pdf](http://golem.fjfi.cvut.cz/wiki/Presentations/Conferences/ECPD/5th_Rethymno_2023/poster.pdf).
- [Iva+23] V. Ivanov et al. “Runaway electrons measurements by ECE on the GOLEM tokamak”. In: vol. July. Europhysics conference abstracts. 2023.
- [MLS21] S. Malec, V. Linhart, and V. Svoboda. “Correlations in signals generated by runaway electrons in the GOLEM tokamak measured using the Timepix3 detection modules”. In: *2021 IEEE Nuclear Science Symposium and Medical Imaging Conference (NSS/MIC)*. 2021, pp. 1–6. DOI: 10.1109/NSS/MIC44867.2021.9875920.
- [Dhy+19a] P. Dhyani et al. “Design and development of probe for the measurements of runaway electrons inside the Golem tokamak plasma edge”. In: vol. July. Europhysics conference abstracts. 2019, P1.1016. ISBN: 979-10-96389-11-7. URL: <http://ocs.ciemat.es/EPS2019PAP/pdf/P1.1016.pdf>.

## Master thesis

- [S. 23] S. Malec. “Compton camera for detection of hard X-rays produced on the Golem tokamak”. Master Thesis. 2023. URL: <http://golem.fjfi.cvut.cz/wiki/Presentations/Students/MasterThesis/23MalecStepan.pdf>.

- [M. 22b] M. Tunkl. “Development of a new runaway electron diagnostics method based on strip semiconductor detectors”. Master Thesis. 2022. URL: <http://golem.fjfi.cvut.cz/wiki/Presentations/Students/MasterThesis/22TunklMarek.pdf>.