

The GOLEM tokamak bibliography

The tokamak GOLEM team

March 24, 2020

Articles

- [Svo+11] V. Svoboda et al. “Multi-mode Remote Participation on the GOLEM Tokamak”. In: *Fusion Engineering and Design* 86.6-8 (2011), 1310–1314. ISSN: 0920-3796. DOI: {10.1016/j.fusengdes.2011.02.069}.
- [Ods+12] T. Odstrcil et al. “Low cost alternative of high speed visible light camera for tokamak experimentsa)”. In: *Review of Scientific Instruments* 83.10, 10E505 (2012), pp. –. DOI: <http://dx.doi.org/10.1063/1.4731003>. URL: <http://scitation.aip.org/content/aip/journal/rsi/83/10/10.1063/1.4731003>.
- [Gry+13] M. Gryaznevich et al. “Progress in application of high temperature superconductor in tokamak magnets”. In: *Fusion Engineering and Design* 88.9-10 (2013), pp. 1593 –1596. ISSN: 0920-3796. DOI: <http://dx.doi.org/10.1016/j.fusengdes.2013.01.101>. URL: <http://www.sciencedirect.com/science/article/pii/S0920379613001117>.
- [Mar+13] T. Markovic et al. “Evaluation of applicability of 2D iron core model for two-limb configuration of GOLEM tokamak”. In: *Fusion Engineering and Design* 88.6-8 (2013), pp. 835 –838. ISSN: 0920-3796. DOI: <http://dx.doi.org/10.1016/j.fusengdes.2013.02.142>. URL: <http://www.sciencedirect.com/science/article/pii/S0920379613002573>.
- [Gry+15] M. Gryaznevich et al. “Contribution to fusion research from IAEA coordinated research projects and joint experiments”. In: *Nuclear Fusion* 55.10 (2015), p. 104019. DOI: <https://doi.org/10.1088/0029-5515/55/10/104019>.
- [Mar+15] T. Markovic et al. “Development of 3D ferromagnetic model of tokamak core with strong toroidal asymmetry”. In: *Fusion Engineering and Design* 96-97 (2015), pp. 302–305. ISSN: 0920-3796. DOI: <http://dx.doi.org/10.1016/j.fusengdes.2015.03.041>. URL: <http://www.sciencedirect.com/science/article/pii/S0920379615002100>.
- [Svo+15a] V. Svoboda et al. “Remote operation of the vertical plasma stabilization @ the GOLEM tokamak for the plasma physics education”. In: *Fusion Engineering and Design* 96-97 (2015), pp. 974–979. ISSN: 0920-3796. DOI: <http://dx.doi.org/10.1016/j.fusengdes.2015.06.044>. URL: <http://www.sciencedirect.com/science/article/pii/S0920379615300740>.
- [Gro+16] O. Grover et al. “Remote operation of the GOLEM tokamak for Fusion Education”. In: *Fusion Engineering and Design* 112 (2016), pp. 1038–1044. ISSN: 0920-3796. DOI: <http://dx.doi.org/10.1016/j.fusengdes.2016.05.009>.
- [Svo+16] V. Svoboda et al. “Remote operation of the GOLEM tokamak with hydrogen and helium plasmas”. In: *Journal of Physics: Conference Series* 768.1 (2016). DOI: 10.1088/1742-6596/768/1/012002. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84996848706&doi=10.1088%2f1742-6596%2f768%2f1%2f012002&partnerID=40&md5=e2758016f6bdd51be8c02e6f972a374e>.
- [Svi+18] Peter Svihra et al. “Runaway electrons diagnostics using segmented semiconductor detectors”. In: *Fusion Engineering and Design* (2018). ISSN: 0920-3796. DOI: <https://doi.org/10.1016/j.fusengdes.2018.12.054>.
- [Dhy+19] P. Dhyani et al. “Study of Runaway Electrons in GOLEM Tokamak”. In: *Journal of Instrumentation* 14.09 (2019), pp. C09029–C09029. DOI: 10.1088/1748-0221/14/09/c09029. URL: <https://doi.org/10.1088%2F1748-0221%2F14%2F09%2Fc09029>.
- [Svo+19] Vojtech Svoboda et al. “Operational Domain in Hydrogen Plasmas on the GOLEM Tokamak”. In: *Journal of Fusion Energy* (2019). ISSN: 1572-9591. DOI: <https://doi.org/10.1007/s10894-019-00215-7>.

Conference proceedings

- [Svo+10] V. Svoboda et al. “Former Tokamak CASTOR becomes remotely controllable GOLEM at the Czech Technical University in Prague”. In: *Europhysics Conference Abstracts. 37th EPS Conference on Plasma Physics (online: <http://ocs.ciemat.es/EPS2010PAP/pdf/P2.111.pdf>)*. Vol. 34A. 2010. ISBN: 2-914771-62-2.
- [Bro+11] E. Bromova et al. “The GOLEM Tokamak for Fusion Education”. In: *Europhysics Conference Abstracts. 38th EPS Conference on Plasma Physics (online: <http://ocs.ciemat.es/EPS2011PAP/pdf/P1.021.pdf>)*. Vol. 35G. 2011. ISBN: 2-914771-68-1.
- [SS11] V. Svoboda and J. Stöckel. “Tokamak GOLEM Remotely for Worldwide Fusion Education”. English. In: *Proceedings: SEFI - PTEE 2011*. Mannheim: Hochschule Mannheim - University Of Applied Sciences, 2011, pp. –. ISBN: 978-3-931569-18-1. URL: http://sefi11.hs-mannheim.de/index.php?option=com_content&view=article&id=27&Itemid=27.

- [Bal+12] S. Ball et al. “First results from tests of high temperature superconductor magnets on tokamak”. In: *Europhysics Conference Abstracts. 39th EPS Conference on Plasma Physics (online: <http://ocs.ciemat.es/epsicpp2012pap/pdf/P2.052.pdf>)*. Vol. 36F. 2012.
- [Svo+12] V. Svoboda et al. “Recent results from GOLEM tokamak. ‘Indeed, you can teach an old dog some new tricks.’”. In: *Europhysics Conference Abstracts. 39th EPS Conference on Plasma Physics (online: <http://ocs.ciemat.es/epsicpp2012pap/pdf/P2.059.pdf>)*. Vol. 36F. 2012.
- [HA+13] D. Hernandez-Arriaga et al. “Tokamak GOLEM for fusion education - chapter 4”. In: *Europhysics Conference Abstracts. 40th EPS Conference on Plasma Physics (online: <http://ocs.ciemat.es/EPS2013PAP/pdf/P2.410.pdf>)*. Vol. 2013. ISBN: 978-1-63266-310-8.
- [Svo+13] V. Svoboda et al. “Blind spectral unmixing and ion lines clustering of low resolution spectra based on non-negative matrix decomposition”. English. In: *8th Workshop on Fusion Data Processing, Validation and Analysis*. Ghent, 2013. URL: http://www.validation8.ugent.be/abstracts/0dstrcil_Tomas.pdf.
- [OF14] J. Kocman J. Krbec V. Loffelmann T. Markovic M. Matusu J. Stockel V. Svoboda J. Veverka G. Vondrasek O. Ficker O. Grover. “Tokamak GOLEM for fusion education - chapter 5”. In: *Europhysics Conference Abstracts. 41th EPS Conference on Plasma Physics (online: <http://ocs.ciemat.es/EPS2014PAP/pdf/P4.141.pdf>)*. Vol. 38F. 2014. ISBN: 2-914771-90-8.
- [Svo+15b] V. Svoboda et al. “Tokamak GOLEM for fusion education - chapter 6”. English. In: *42nd European Physical Society Conference on Plasma Physics*. Mulhouse, FR, 2015. ISBN: 2-914771-98-3. URL: <http://ocs.ciemat.es/EPS2015PAP/pdf/P2.164.pdf>.
- [Dub16] Ficker O. Grover O. Jiraková K. Leitl B. Okonečnicková T. Stockel J. Svoboda V. Vondrasek G. Duban R. “Tokamak GOLEM for fusion education - chapter 7”. In: *Europhysics Conference Abstracts. 43th EPS Conference on Plasma Physics (online: <http://ocs.ciemat.es/EPS2016PAP/html/contrib.html>)*. Vol. 40A. europhysics conference abstracts. 2016. ISBN: 2-914771-99-1.
- [Ist+18] V. Istokskaia et al. “Tokamak GOLEM for fusion education - Chapter 9”. In: vol. 2018-July. cited By 0. 2018, pp. 261–264. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057830567&partnerID=40&md5=a2c1fb87e3fca2414a7ff6fd7d995ffd>.
- [Lin+18] V. Linhart et al. “First Measurement of X-rays Generated by Runaway Electrons in Tokamaks Using a TimePix3 Device with 1 mm thick Silicon Sensor”. In: *2018 IEEE Nuclear Science Symposium and Medical Imaging Conference Proceedings (NSS/MIC)*. 2018, pp. 1–9. DOI: 10.1109/NSSMIC.2018.8824534.
- [Dhy19] Svoboda V. Istokskaia V. Mlynář J. Čerovský J. Ficker O. Linhart V. Dhyani P. “Design and development of probe for the measurements of runaway electrons inside the golem tokamak plasma edge”. In: vol. 2019-July. Europhysics conference abstracts. 2019, P1.1016. ISBN: 979-10-96389-11-7. URL: <http://ocs.ciemat.es/EPS2019PAP/pdf/P1.1016.pdf>.
- [GSS19a] O. Grover, V. Svoboda, and J. Stockel. “Online experimentation at the GOLEM tokamak”. In: *2019 5th Experiment International Conference (exp.at'19)*. 2019, pp. 220–225. DOI: 10.1109/EXPAT.2019.8876482. URL: <https://ieeexplore.ieee.org/document/8876482>.
- [GSS19b] O. Grover, V. Svoboda, and J. Stockel. “Remote demonstration of the GOLEM tokamak”. In: *2019 5th Experiment International Conference (exp.at'19)*. 2019, pp. 239–240. DOI: 10.1109/EXPAT.2019.8876584. URL: <https://ieeexplore.ieee.org/document/8876584>.
- [Kul19] Mácha P. Istokskaia V. Kropáčková D. Papoušek F. Adámek J. Čerovský J. Ficker O. Grover O. Jiraková K. Stöckel J. Svoboda V. Kulkov S. “Tokamak GOLEM for fusion education - chapter 10”. In: vol. 2019-July. Europhysics conference abstracts. 2019, P1.1068. ISBN: 979-10-96389-11-7. URL: <http://ocs.ciemat.es/EPS2019PAP/pdf/P1.1068.pdf>.

Miscellaneous

- [FJF07] FJFI CVUT. *Tokamak GOLEM at the Czech Technical University in Prague*. <http://golem.fjfi.cvut.cz>. 2007.
- [HN10] B. Huang and V. Nikolaeva. *Global Tokamak Experiment*. <http://tokamakglobal.com/>. 2010.
- [ITE10] ITER news. *Launch of the world's first global tokamak experiment*. <http://www.iter.org/newsline/156/512>. 2010.
- [Pluch] Pluhar, O. *Interactive model of tokamak GOLEM*. <http://golem.fjfi.cvut.cz/wiki/Library/GOLEM/BachThesis/11PluharC> Bachelor project 2011.
- [Kocst] Kocman, J. *Řízení polohy plazmatického prstence na tokamaku GOLEM*. <http://golem.fjfi.cvut.cz/wiki/Library/GOLEM/M> Master thesis 2015.
- [Matst] Matěna, L. *Microwave interferometry on the tokamaku GOLEM*. <http://golem.fjfi.cvut.cz/wiki/Library/GOLEM/MastThe> Master thesis 2015.
- [Leist] Leitl, B. *Tomografická rekonstrukce profilu vyzářování plazmatu na tokamaku GOLEM*. <http://golem.fjfi.cvut.cz/wiki/Libra> Master thesis 2019.
- [] . . [Online; accessed 2-January-2019].