

# 1 Publications in Refereed Journals

1. Q. Yu, **S. Günter**, K. Lackner, M. Maraschek  
Seed island formation by forced magnetic reconnection  
*Nucl. Fusion* **52** 063020 (2012)
2. M. Hölzl et al. (incl. **S. Günter**)  
Reduced-Magnetohydrodynamic Simulations of Toroidally and Poloidally Localized Modes  
*Physics of Plasmas* **19** 082505 (2012)
3. **S. Günter**  
China startet ein Apollo-Projet  
*Bild der Wissenschaft* 12, 102-104 (2011)
4. **S. Günter**, I. Milch  
Die Kernfusion als eine Energie für die Zukunft  
(Eds.) C. Kehrt, P. Schüßler, M.-D. Weitze  
Neue Technologien in der Gesellschaft - Akteure, Erwartungen, Kontroversen und Konjunkturen  
transcript Verlag, Bielefeld, 113-121 (2011)
5. W. Suttrop et al. (incl. **S. Günter**)  
First observation of Edge Localized Modes mitigation with resonant and non-resonant magnetic perturbations in ASDEX Upgrade  
*Phys. Rev. Lett.* **106** 225004 (2011)
6. Q. Yu and **S. Günter**  
Plasma response to externally applied resonant magnetic perturbations  
*Nucl. Fusion* **51** 073030 (2011)
7. K. Shinohara et al. (incl. **S. Günter**)  
Effect of complex symmetry-breakings on alpha particle power loads on first wall structures and equilibrium on ITER  
*Nucl. Fusion* **51** 063028 (2011)
8. F. Sommer, **S. Günter**, A. Kallenbach, M. Maraschek, J. Boom, R. Fischer, N. Hicks, R. Wenninger, E. Wolfrum, the ASDEX Upgrade Team  
Characterization and interpretation of the Edge Snake in between Type-I ELMs at ASDEX Upgrade  
*Plasma Phys. Control. Fusion* 2010
9. V. Igochine, I.T. Chapman, V. Bobkov, **S. Günter**, M. Maraschek, D. Moseev, G. Pereversev, M. Reich, J. Stober, ASDEX Upgrade Team  
Destabilization of fast particle stabilized sawteeth in ASDEX Upgrade with electron cyclotron current drive  
*Plasma Phys. Control. Fusion* **53** 022002 (2011)

10. V. Igochine , J. Boom, I. Classen, O. Dumbrajs, **S. Günter**, K. Lackner, G. Pereverzev, H. Zohm, ASDEX Upgrade Team  
Structure and dynamics of sawteeth crashes in ASDEX Upgrade  
*Phys. Plasmas* **17** 122506 (2010)
11. K. Sassenberg et al. (incl. **S. Günter**)  
ICRH beatwave excited Toroidicity induced Alfvén Eigenmodes in ASDEX Upgrade  
*Nucl. Fusion* **50** 052003 (2010)
12. E. Strumberger, **S. Günter**, P. Merkel, E. Schwarz, Ch. Tichmann  
Self-consistent three-dimensional computations of non-axisymmetric ITER equilibria  
*Nucl. Fusion* **50** 025008 (2010)
13. J. Adamek et al. (incl. **S. Günter**)  
Axially Symmetric Divertor Experiment (ASDEX) Upgrade  
*Review of Scientific Instruments* **81** 033507 (2010)
14. S. Schmidt, **S. Günter**, K. Lackner  
Reconnection in semi-collisional, low- $\beta$  plasmas  
*Phys. Plasmas* **16** 072302 (2009)
15. Q. Yu and **S. Günter**  
Effect of resonant helical magnetic fields on particle confinement  
*Nucl. Fusion* **49** 062001 (2009)
16. M. Hölzl, **S. Günter**, Q. Yu, I. Classen and the TEXTOR Team  
Determination of the heat anisotropy by comparing measured and simulated electron temperature profiles across magnetic islands  
*Nucl. Fusion* **49** 115009 (2009)
17. M. Sempf, P. Merkel, E. Strumberger, **S. Günter**, Ch. Tichmann  
Robust control of resistive wall modes using pseudospectra  
*New J. Phys.* **11** 053015 (2009)
18. Q. Yu, **S. Günter**, K. H. Finken  
Effect of resonant helical magnetic fields on plasma rotation  
*Phys. Plasmas* **16** 042301 (2009)
19. M. Gobbin, L. Marelli, H.U. Fahrbach, M. Garcia-Munoz, **S. Günter**, P. Martin, R.B. White and the ASDEX Upgrade Team  
Numerical simulations of fast ion losses measurements induced by magnetic islands in the ASDEX Upgrade tokamak  
*Nucl. Fusion* **49** 095021 (2009)
20. Ph. Lauber, M. Brüdgam, D. Curran, V. Igochine, **S. Günter**, M. Maraschek, K. Sassenberg, M. Garcia-Muñoz and the ASDEX Upgrade Team  
Kinetic Alfvén Eigenmodes at ASDEX Upgrade  
*Plasma Phys. Control. Fusion* **51** 124009 (2009)

21. K. Sassenberg et al. (incl. **S. Günter**)  
Stability of toroidicity induced shear Alfvén eigenmodes in ASDEX Upgrade  
*Plasma Phys. Control. Fusion* **51**, 065003 (2009)
22. H. Zohm et al., (incl. **S. Günter**)  
Overview of ASDEX Upgrade results  
*Nucl. Fusion* **49** 104009 (2009)
23. M. Garcia-Muñoz et al. (incl. **S. Günter**)  
MHD induced fast-ion losses on ASDEX Upgrade  
*Nucl. Fusion* **49** 085014 (2009)
24. W. Suttrop et al. (incl. **S. Günter**)  
In-vessel saddle coils for MHD control in ASDEX Upgrade  
*Fusion Eng. Design* **84** 290-294 (2009)
25. **S. Günter** et al.  
Three dimensional effects in tokamaks  
*Plasma Phys. Control. Fusion* **50**, 124004 (2008)
26. M. Hölzl, **S. Günter**, and ASDEX Upgrade Team  
Heat diffusion across magnetic islands and ergodized plasma regions in realistic tokamak geometry  
*Physics of Plasmas* **15**, 072514 (2008)
27. **S. Günter** and K. Lackner  
A mixed implicit-explicite finite difference scheme for heat transport in magnetised plasmas  
*J. Comput. Phys.* **228** 282-293 (2008)
28. C.V. Atanasiu et al. (incl. **S. Günter**)  
The energy principle applied to diverted Tokamak configurations  
*Romanian Reports in Physics* **60**, 3, 635/646 (2008)
29. Q. Yu and **S. Günter**  
Locking of neoclassical tearing modes by error fields and its stabilization by RF current  
*Nucl. Fusion* **48** 065004 (2008)
30. T. Dannert, **S. Günter**, T. Hauff, F. Jenko, P. Lauber  
Turbulent transport of energetic ions  
*Physics of Plasmas* **15**, 062508 (2008)
31. E. Strumberger, P. Merkel, M. Sempf, **S. Günter**  
On Fully three-dimensional wall mode and feedback stabilization studies for ITER and ASDEX Upgrade  
*Physics of Plasmas* **15**, 056110 (2008)

32. E. Poli, M. Garcia-Munoz, H.-U. Fahrbach, **S. Günter** and the ASDEX Upgrade Team  
Observation and modelling of fast trapped ion losses due to neoclassical tearing modes  
Physics of Plasmas **15**, 032501 (2008)
33. P. Piovesan et al. (incl. **S. Günter**)  
TAE internal structure through high resolution soft-X ray measurements in ASDEX Upgrade  
Nucl. Fusion **48**, 065001 (2008)
34. Ph. Lauber and **S. Günter**  
Damping and drive of low frequency modes in tokamak plasmas  
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35. M. Garcia-Muñoz, H.-U. Fahrbach, **S. Günter** et al.  
Fast ion losses due to high frequency MHD perturbations; The Sierpes mode.  
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36. Q. Yu, **S. Günter**, Y. Kikuchi, K.H. Finken  
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37. E. Strumberger, **S. Günter** et al.  
Fast particle losses due to NTMs and magnetic field ripple  
New Journal of Physics **10** 023017 (2008)
38. **S. Günter**, K. Lackner, Ch. Tichmann  
Finite element and higher order difference formulations for modeling heat transport  
in magnetised plamas  
J. Comput. Phys. **226** 2306-2316 (2007)
39. **S. Günter** et al.  
Interaction of energetic particles with large and small scale instabilities  
Nucl. Fusion **47** 920-928 (2007)
40. Ph. Lauber, **S. Günter**, A. Könies, S. Pinches  
LIGKA: A linear gyrokinetic code for the description of background kinetic and fast  
particle effects on the MHD stability in tokamaks  
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41. M. Hölzl, **S. Günter**, Q. Yu, K. Lackner,  
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stochastic layers  
Phys. Plasmas **14**, 052501 (2007)

42. A. Bierwage, Q. Yu, **S. Günter**  
Large-Mode-Number MHD Instability Driven by Sheared Flows in a Tokamak Plasma with Reversed Central Shear  
Physics of Plasmas **14**, 010704 (2007)
43. **S. Günter**, K. Lackner  
Wie bändigt man heißes Plasma? Plasmaeinschluß in Fusionsexperimenten  
Physik in unserer Zeit 38, 134-140 (2007)
44. M. Maraschek, G. Gantenbein, Q. Yu, H. Zohm, **S. Günter**, et al.  
Enhancement of the stabilisation efficiency of a neoclassical magnetic island by modulated electron cyclotron current drive in the ASDEX Upgrade tokamak  
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45. B. Omar, A. Wierling, **S. Günter**, G. Röpke  
Hydrogen Balmer Spectrum from a high-pressure arc discharge: revisited  
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Localization of MHD and fast particle modes using reflectometry in ASDEX Upgrade  
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47. M. Garcia-Muñoz et al. (incl. **S. Günter**)  
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Nucl. Fusion **47**, L10-L15 (2007)
48. T. Hender et al. (incl. **S. Günter**)  
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Analyzing Brilliance spectra of a laser induced Carbon plasma  
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51. B. Omar, **S. Günter**, A. Wierling, G. Röpke  
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52. **S. Günter** et al.  
Overview of the ASDEX Upgrade results - Development of integrated operating scenarios for ITER  
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56. **S. Günter**, Q. Yu, J. Krüger, K. Lackner  
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57. R.C. Wolf, W. Biel, M.F.M. de Bock, K.H. Finken, **S. Günter** et al.  
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Plasma Phys. Control. Fusion **47**, 89-115 (2005)
62. T. Bolzonella, H. Zohm, M. Maraschek, E. Martines, S. Saarelma, **S. Günter**, ASDEX Upgrade Team  
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63. C.V. Atanasiu, **S. Günter**, K. Lackner, A. Morau, L.E. Zakharov, A.A. Subbotin  
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64. S. Saarelma and **S. Günter**  
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*Plasma Phys. and Control. Fusion* **46**, 1259-1270 (2004)
65. C.V. Atanasiu, **S. Günter**, K. Lackner, I.G. Miron  
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M. de Baar, EFDA-JET contributors  
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67. P. Lang, G.D. Conway, T. Eich, L. Fattorini, O. Gruber, **S. Günter** et al.  
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*Nucl. Fusion* **44**, 665-677 (2004)
68. Q. Yu, X.D. Zhang and **S. Günter**  
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71. D. Borba, G.D. Conway, **S. Günter** et al.  
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82. A.C.C. Sips et al. (incl. **S. Günter**)  
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87. A. Gude, **S. Günter**, M. Maraschek, H. Zohm, ASDEX Upgrade Team  
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113. R.L. LaHaye, R.J. Buttery, **S. Günter**, G.T.A. Huysmans, M. Maraschek, H.R. Wilson  
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Phys. Plasmas **7**, 3349 (2000)
114. O. Gruber, R. Wolf, H.S. Bosch, R. Dux, **S. Günter**, P.J. McCarthy, K. Lackner, M. Maraschek, H. Meister, G. Pereverzev, A. Stäbler, W. Treutterer, ASDEX Upgrade Team  
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115. S. Sorge, **S. Günter**, G. Röpke  
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122. R.C. Wolf, O. Gruber, R. Dux, C. Fuchs, **S. Günter**, A. Kallenbach, K. Lackner, M. Maraschek, P.J. McCarthy, H. Meister, G. Pereverzev, F. Ryter, J. Schweinzer, U. Seidel, S. Sesnic, A. Stäbler, J. Stober, W. Ullrich, ASDEX Upgrade Team  
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*Nucl. Fusion* **38**, 1431-1434 (1998)
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*Plasma Phys. Contr. Fusion* **40**, 1989-1998 (1998)

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J. Phys. B **32**, 675-681 (1998)
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Phys. Rev. Lett. **79** 4186-4189 (1997)
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Plasma Phys. and Contr. Fusion **39**, S. B237-B246 (1997)
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The influence of many-particle effects beyond the Debye approximation on spectral line shapes in dense plasmas  
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149. A. Döhrn, P. Nowack, A. Könies, **S. Günter**, and V. Helbig  
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Phys. Rev. E **53**, 6389-6395 (1996)
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J. Phys. B **29**, 1-11 (1996)
151. A. Könies and **S. Günter**  
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Phys. Rev. E **52**, 6658-6663 (1995)
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153. **S. Günter** and A. Könies  
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*J. Quant. Spectrosc. Radiat. Transfer* 52, 819-824 (1994)
154. A. Könies and **S. Günter**  
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155. St. Böddeker, **S. Günter**, A. Könies, L. Hitzschke, H.-J. Kunze  
 Shift and width of the  $H_\alpha$  line of hydrogen in dense plasmas  
*Phys. Rev. E* 47, (1993), 2785-2791
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*Phys. Rev. E* 47, (1993), 500-505
157. **S. Günter**  
 Dynamic screening effects on the shift and the shape of spectral lines  
*Contrib. Plasma Physics* 33, 5/6 (1993), 563-566
158. **S. Günter**, L. Hitzschke, G. Röpke  
 Hydrogen spectral lines with the inclusion of dense plasma effects  
*Phys. Rev. A* 44, (1991), 6834-6844
159. **S. Günter**  
 Stark shift and broadening of hydrogen spectral lines  
*Contrib. Plasma Physics* 29, 4/5 (1989), 479-487

## Conferences

1. **S. Günter**, Ph. Lauber, E. Strumberger, M. Garcia-Munoz, ASDEX Upgrade Team  
 Fast ion redistribution by MHD modes - ASDEX Upgrade experimental and modeling results  
 Energetic Particle Topical Group Meeting CRPP, Lausanne 2008
2. **S. Günter** et al.  
 Fast Particle Physics on ASDEX Upgrade - Interaction of Energetic Particle with Large and Small Scale Instabilities  
 Fusion Energy 2006, International Atomic Energy Agency, Vienna, Seq. No.: EX/6-1 (2007)
3. **S. Günter** et al.  
 Neoclassical Tearing Modes and Fast Ions Confinement in ASDEX Upgrade  
 33rd EPS Conf. on Plasma Phys., Contr. Papers, (Eds.) De Marco, F.; Vlad, G.  
 ECA 30I. EPS, Geneva, Seq.No.: P-4.165 (2006)

4. **S. Günter**, J. Hobirk, G. Tardini, K. Lackner, A. Stäbler, ASDEX Upgrade Team  
32nd EPS Conf. on Plasma Phys. and Control. Fus. combined with the 8th Intern.  
Workshop on Fast Ignition of Fusion Targets, (Eds.) C. Hidlgo, B. Ph. van Milligen.  
ECA 29C. Europ. Phys. Soc., Geneva, P-4.075 (2005)
5. **S. Günter**, J. Hobirk, K. Lackner, G. Pereverzev, A. Stäbler, ASDEX Upgrade Team  
Conditions for NBI Current Profile Control on ASDEX Upgrade  
31st EPS Conf. on Plasma Phys., London 2004, (Eds.) P. Norreys, H. Hutchinson.  
EXA 28G, Europ. Phys. Soc., Geneva (2004), O-1.02
6. **S. Günter**, A. Gude, V. Igochine, M. Maraschek, O. Sauter, A.C.C. Sips, H. Zohm,  
ASDEX Upgrade Team  
Neoclassical Tearing Modes on ASDEX Upgrade: Improved Scaling Laws, High Confinement at High and New Stabilization Experiments  
Proc. 19th Fus. Energy Conf., Lyon 2002, (Ed.) M. Spak, IAEA, Vienna 2003,  
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7. **S. Günter**, A. Gude, M. Maraschek, E. Poli, O. Sauter, H. Zohm, ASDEX Upgrade Team  
NTM Physics and Extrapolation to ITER  
Joint Meeting of Large Tokamak Workshop (W49), US/Japan MHD Workshop and  
ITPA Topical Group on MHD, Naka 2002
8. **S. Günter**, M. Maraschek, H. Zohm, ASDEX Upgrade Team  
NTM Physics and Extrapolation to ITER  
Joint Meeting of Large Tokamak Workshop (W49), US/Japan MHD Workshop and  
ITPA Topical Group on MHD, Naka 2002
9. **S. Günter**, S.D. Pinches, C. Conway, A. Gude, J. Hobirk, M. Maraschek, A.G. Peeters, R. Wolf, ASDEX Upgrade Team  
MHD Phenomena as Trigger for the Formation of Internal Transport Barriers on ASDEX Upgrade  
Proc. 28th EPS Conf. Control. Fusion and Plasma Phys., Funchal 2001, (Eds.) C. Silva, C. Varandas, D. Campbell. ECA 25A. Europ. Phys. Soc., Geneva 2001, 49-52
10. **S. Günter**, Q. Yu, A. Gude, H.R. Koslowski, M. Maraschek, S.D. Pinches, S. Schade, ASDEX Upgrade Team  
MHD Phenomena in Low and Reversed Shear Plasmas.  
Proc. Int. Congress Plasma Phys. and 25th EPS Conf. Control. Fusion and Plasma Phys., Prague 1998, (Ed.) P. Pavlo. ECA 22C. Europ. Phys. Soc., Geneva 1998, 1840-1843
11. **S. Günter** and A. Könies  
Shifted and Asymmetric Profiles of Hydrogen and Hydrogenic Ions  
Proc. Spectral Line Shapes, Florenz 1996 (Eds.) M. Zoppi, L. Ulivi. AIP, Woodbury, NY 1997, 99-112

12. **S. Günter**, S.D. Pinches, A. Gude, K. Hallatschek, K. Lackner, and ASDEX Upgrade Team  
Modified High-n/High-m Tearing Modes in Low Shear Regions with High Pressure Gradients and High Resistivity  
Proc. 24th EPS Conf. on Control. Fusion and Plasma Phys., Berchtesgaden 1997,  
(Eds.) M. Schitzenhelm, R. Bartiromo, F. Wagner. ECA 21A. Europ. Phys. Soc.,  
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13. **S. Günter** and A. Könies  
Hydrogenic Ion Lines Emitted from Dense Plasmas  
Proc. Int. Conf. on Phys. of Strongly Coupled Plasmas, Binz/Rügen 1995, Eds.  
W.D. Kraeft, M. Schlanges. World Scientific Publ., Singapore 1996, 282-285

## Invited Talks at Conferences

- (a) **S. Günter**  
Gemeinsame Forschungsprojekte in Fusions- und astrophysikalischen Plasmen  
DPG Frühjahrstagung der Sektion Kondensierte Materie (SKM), Berlin 2012  
Invited Talk
- (b) **S. Günter**  
Computational Physics - a key element for the preparation of ITER and the design of a fusion reactor  
Post FISA workshop Potential benefits of high performance computing for Euratom research, Prague 2009  
Invited talk
- (c) **S. Günter** et al.  
3d equilibria including field ripple and TBMs  
2nd Meeting of the ITPA Energetic Particle Physics Topical Group,Daejon 2009  
Invited Talk
- (d) **S. Günter** et al.  
TAE/BAE induced fast ion losses and beatwave excitation on ASDEX Upgrade  
2nd Meeting of the ITPA Energetic Particle Physics Topical Group,Daejon 2009  
Invited Talk
- (e) **S. Günter** et al.  
Redistribution of fast ions by electrostatic and electromagnetic turbulence  
2nd Meeting of the ITPA Energetic Particle Physics Topical Group,Daejon 2009  
Invited Talk
- (f) **S. Günter**  
Recent Results on ASDEX Upgrade  
7th ITPA MHD Topical Group Meeting, and US/Japan Workshop on MHD

Stability Control and Related Confinement of Toroidal Plasmas, Naka 2009  
Invited Talk

(g) **S. Günter** et al.

Fast particle physics - theory developments and ASDEX Upgrade experiments  
7th ITPA MHD Topical Group Meeting, and US/Japan Workshop on MHD  
Stability Control and Related Confinement of Toroidal Plasmas, Naka 2009  
Invited Talk

(h) **S. Günter**

Modulated ECCD feedback of NTMs on ASDEX Upgrade  
7th ITPA MHD Topical Group Meeting, and US/Japan Workshop on MHD  
Stability Control and Related Confinement of Toroidal Plasmas, Naka 2009  
Invited Talk

(i) **S. Günter** et al.

Resistive wall mode code developments at IPP  
7th ITPA MHD Topical Group Meeting, and US/Japan Workshop on MHD  
Stability Control and Related Confinement of Toroidal Plasmas, Naka 2009  
Invited Talk

(j) **S. Günter**

Three dimensional effects in tokamaks  
35th EPS Conference on Plasma Physics, Heraklion, Greece 2008  
Invited talk

(k) **S. Günter** et al.

Fast particle physics on ASDEX Upgrade - Interaction of Energetic particles  
with large and small scale instabilities  
21th IAEA Fusion Energy Conference, Chengdu, China 2006  
Invited talk

(l) **S. Günter**

3D effects in tokamaks  
14th European Fusion Physics Workshop, Greoux-les-bains, Frankreich 2006  
Invited talk

(m) **S. Günter** et al.

Neutral beam heating an current drive  
13th European Fusion Physics Workshop, Padova 2005  
Invited talk

(n) **S. Günter** et al.

Overview of the ASDEX Upgrade results  
20th IAEA Fusion Energy Conference, Villamoura, Portugal 2004  
Invited talk

(o) **S. Günter** et al.

Magnetic confinement: How to replace simple scaling laws by physics understanding?  
Plasma Physics and Short Time Scale Physics, Spring meeting of the German

Physical Society, Aachen 2003

Plenary talk

- (p) **S. Günter** et al.  
Synergies between tokamak and stellarator theory  
14th International Stellarator Workshop, Greifswald 2003  
Invited talk
- (q) **S. Günter** et al.  
Error Field Amplification: Modelling Results and Proposal for  
Textor Experiments.  
1st International Workshop on Stochasticity in Fusion Edge Plasmas, Jülich  
2003  
Invited talk
- (r) **S. Günter** et al.  
Neoclassical tearing modes on ASDEX Upgrade: Improved scaling laws, high  
confinement at high  $\beta_N$  and new stabilization experiments  
19th IAEA Fusion Energy Conference, Lyon, France 2002  
Invited talk
- (s) **S. Günter**  
Neoclassical tearing modes: beta limits and direct control  
10th European Fusion Physics Workshop, Vaalsbroek, Netherlands 2002  
Invited Talk
- (t) **S. Günter** et al.  
MHD Phenomena in Advanced Scenarios on ASDEX Upgrade and the Influ-  
ence of Localized Electron Heating and Current Drive  
18th IAEA Fusion Energy Conference, Sorrento, Italy 2000  
Invited talk
- (u) **S. Günter** et al. MHD Modes in Regular and Reversed Shear Scenarios and  
Possibilities for Feedback Control  
26th EPS Conference on Controlled Fusion and Plasma Physics, Maastricht  
1999  
Invited talk
- (v) **S. Günter** et al.  
MHD phenomena at ASDEX Upgrade  
17th IAEA Fusion Energy Conference, Yokohama, Japan 1998  
Invited talk
- (w) **S. Günter** et al.  
Neue MHD-Phänomene am Tokamak  
DPG Frühjahrstagung Bayreuth 1998  
Hauptvortrag
- (x) **S. Günter**, A. Könies  
Shifted and asymmetric profiles of hydrogen and hydrogenic ions.  
13th International Conference on Spectral Line Shapes, Firenze, Italy 1996  
Invited talk

(y) **S. Günter**

Electronic contribution to the shift of spectral lines in dense plasmas  
11th International Conference on Spectral Line Shapes, Marseille, France 1992  
Invited talk

## Talks

(a) **S. Günter**

Fusion - an option for base-load electricity  
Symposium: Already Beyond? - 40 Years Limits to Growth  
Hannover 2012

(b) **S. Günter**

Stellarators - an option for a fusion power plant  
Engelberg 2012

(c) **S. Günter**

The case of Energy Research - Magnetic Fusion  
Science Summit, Annual Meeting of the Research Councils of the G8 Countries,  
Schloß Ringberg, Tegernsee 2012

(d) **S. Günter**

Physics problems in magnetically confined plasmas  
Max-Planck-Institut für Gravitationsphysik, Potsdam-Golm 2012

(e) **S. Günter**

Die Rolle der Kernfusion im Energiemix der Zukunft  
Prominente im Gespräch, Greiz 2012

(f) **S. Günter**

ITER, an alternative fusion energy approach and the safety of fusion energy  
Europäisches Parlament, Brüssel 2012

(g) **S. Günter**

Die Rolle der Kernfusion im Energiemix der Zukunft  
Münchner Seminare, 2012

(h) **S. Günter**

Fusion plasma physics - what do we have in common with astrophysical plasmas?  
478th Wilhelm und Else Heraeus Seminar on Fusion and Astrophysical Plasmas, Bad Honnef 2012

(i) **S. Günter**

Fusion: Energy für die Zukunft  
BDI-Ausschuß Energie- und Klimapolitik, Greifswald 2012

(j) **S. Günter**

Magnetic fusion research on tokamaks and stellarators  
University of Honolulu 2012

- (k) **S. Günter**  
Magnetic fusion research on tokamaks and stellarators - ASDEX Upgrade and Wendelstein 7-X  
National Ignition Facility, Livermore, CA, 2012
- (l) **S. Günter**  
Physics problems of magnetic fusion reactors  
Max-Planck-Institut für Dynamik und Selbstorganisation, Göttinger 2011
- (m) **S. Günter**  
Energie erzeugen wie die Sonne - die Kernfusion im Energiemix der Zukunft  
10. Münchener Wissenschaftstage. Energie: Grundlage des Lebens - Motor für die Zukunft, München 2010
- (n) **S. Günter**  
Turbulent Transport of Energetic Ions  
ITPA MHD Topical Group Meeting, Seoul 2010
- (o) **S. Günter**  
Energie erzeugen wie die Sonne - die Kernfusion im Energiemix der Zukunft  
Physik Modern 2009/10, München 2009
- (p) **S. Günter**  
Energy generation from nuclear fusion  
Symposium, Martinsried 2009
- (q) **S. Günter**  
Kernfusion im Energiemix der Zukunft  
Neue Technologien im Spannungsfeld von Wissenschaft, Politik, Öffentlichkeit und Wirtschaft, München 2009
- (r) **S. Günter**  
Neutral Beam H&CD  
13th Europ. Fus. Phys. Workshop on “Critical Physics Issues for Demo”, Montereotto Terme 2005
- (s) **S. Günter**  
Energie erzeugen wie die Sterne - eine nahezu unerschöpfliche Energiequelle  
physik modern 2004/2005, Universität München, 2005
- (t) **S. Günter**  
Chancen und Risiken der Fusionsforschung  
Parlamentarischer Abend, Vertretung des Landes Mecklenburg-Vorpommern, Berlin 2003
- (u) **S. Günter**  
Recent Work on the Control of MHD Instabilities at ASDEX Upgrade  
Workshop on Active Control of MHD Stability: Extension to the Burning Plasma, Austin, TX 2003
- (v) **S. Günter**  
FIR-NTMs on ASDEX Upgrade and JET - Active Control of (2,1) NTMs on

ASDEX Upgrade

Workshop on Active Control of MHD Stability: Extension to the Burning Plasma, Austin, TX 2003

- (w) **S. Günter**, M. Maraschek, M. De Baar, ASDEX Upgrade Team and JET-EFDA Contributors Collaboration  
Active Control of (3,2) NTMs by Triggering the Transition into the FIR Regime  
APS, Division of Plasma Physics, 45th Am. Phys. Soc. 48 (7), 204 (2003)
- (x) **S. Günter**  
Die Energie der Sterne  
Urania, Berlin 2001
- (y) **S. Günter**, A. Gude, K. Lackner, M. Maraschek, Q. Yu, H. Zohm, ASDEX Upgrade Team, R.J. La Haye, J.T. Scotville  
The Influence of Helical Perturbation Fields on Neoclassical Tearing Modes (NTMs)  
Bull. Am. Phys. 46 (8), 103 (2001)
- (z) **S. Günter**, A. Gude, M. Maraschek, S. Sesnic, H. Zohm, ASDEX Upgrade Team, D.F. Howell, Contributors to the EFDA-JET Work Programme and JET Task Force MHD  
High Confinement Regime in the Presence of (3,2) Neoclassical Tearing Modes  
13th Intern. Expert Group Workshop on MHD, Disruptions and Plasma Control, Funchal 2001
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