

Publications in refereed scientific journals

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3. K Svensson, M Hansson, F Wojda, L Senje, M Burza, B Aurand, G Genoud, A Persson, C-G Wahlström, and O Lundh, Supersonic jets of hydrogen and helium for laser wakefield acceleration, In *Phys. Rev. Accel. Beams* 19 (2016) 051301. <http://dx.doi.org/10.1103/PhysRevAccelBeams.19.051301>
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7. J Decker, E Hirvijoki, O Embréus, Y Peysson, A Stahl, I Pusztai, T Fülöp: Numerical characterization of bump formation in the runaway electron tail, In *Plasma Phys. Control. Fusion* 58 (2016) 025016. <http://dx.doi.org/10.1088/0741-3335/58/2/025016>
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10. C Harvey, A Gonoskov, M Marklund, E Wallin, Narrowing of the emission angle in high-intensity Compton scattering, In *Phys. Rev. A* 93 (2016) 2. <http://dx.doi.org/10.1103/PhysRevA.93.022112>
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- E Siminos, B Svedung Wettervik, M Grech, T Fülöp, Kinetic effects on the transition to relativistic self-induced transparency, Submitted to *Phys. Rev. E* (2016). <http://arxiv.org/abs/1603.06436>
- D Seipt, T Heinzl, M Marklund, S S Bulanov, Depletion of intense fields, Submitted to *Phys. Rev. Lett.* (2016). <http://arxiv.org/abs/1605.00633>
- C Harvey, M Marklund, A R Holkundkar, Focussing effects in laser-electron Thomson scattering, Submitted to *Phys. Rev. ST. Acc. Beams* (2016). <http://arxiv.org/abs/1606.05776>
- B Svedung Wettervik, T C Dubois, E Siminos and T Fülöp, Relativistic Vlasov-Maxwell modelling using finite volumes and adaptive mesh refinement, Submitted to *Comp. Phys. Comm.* (2016). <http://arxiv.org/abs/1606.08681>
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Review papers

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PhD students active in the project

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