

# Solar System Science S<sup>3</sup> Seminar 2014/15

## Every second Wednesday

13:15h – 14:00h Student meeting preceding the S3 seminar, unless otherwise noted

## Wednesday 22 October 2014

14:00h – 14:30h Farhad Shakeri Solar VUV variability of the quiet Sun  
14:40h – 15:10h Adam Pluta Empirical data analysis and modeling for extrem geomagnetic storm correlating earth directed coronal mass ejection dynamics obtained through non-multipoint observations  
15:20h – 15:50h Rakesh Yadav Modelling starspots using computer simulations

## Wednesday 05 November 2014

14:00h – 14:30h Martin Bo Nielsen Asteroseismic determination of internal rotation in Sun-like stars  
14:40h – 15:10h Malte Venzmer Analysis of plasma and magnetic field solar wind data and extrapolation modeling for deriving near-sun estimates based on empirical data analysis  
15:20h – 15:50h Sijie Yu Nonlinear force-free modeling of coronal magnetic fields

## Tuesday 11 November 2014

14:00h – 14:30h Feng Chen Coronal dynamics driven by magnetic flux emergence  
14:40h – 15:40h Prof. Klaus Jockers Fundamentals on light scattering, absorption and thermal radiation, and its relation to the vector radiative transfer equation

## Wednesday 03 December 2014

14:00h – 14:30h Jan Langfellner Spatially resolved vortices in supergranules  
14:40h – 15:10h Ricardo Gafeira Temporal variations in small scale chromospheric fibrils observed by Sunrise

## Wednesday 10 December 2014

14:00h – 14:30h Björn Löptien Helioseismology with Solar Orbiter  
14:40h – 15:10h Atefeh Barekat The radial gradient of the near-surface shear layer of the Sun  
15:20h – 15:50h David Martin Belda Surface Flux Transport Simulations: Effect of inflows and random velocities on the evolution of the Sun's large scale magnetic field

## Wednesday 14 January 2015

14:00h – 14:30h Philipp Grete Subgrid-scale closures of highly compressible MHD turbulence  
14:30h – 15:00h Fabien Widmer SGS Models for Turbulent Reconnection in MHD  
15:20h – 15:50h Patricio Muñoz Sepúlveda PIC simulations of current sheets: kinetic effects in magnetic reconnection  
15:50h – 16:20h Suzana de S. e A. Silva Thermal conduction and radiative processes in solar flares

## Wednesday 28 January 2015

14:00h – 14:30h Iván De Gennaro Aquino M-dwarfs chromospheres with PHOENIX/3D  
14:40h – 15:10h Tanja Schäfer Possible Ceres mineralogy seen by Dawn FC color filter data  
15:20h – 15:50h Guneshwar Thangjam Mineralogy and Geology of Vesta from Dawn FC