

**Jeudi 5 décembre 2017 à 11h30 (IAS, bâtiment 121, salle 4-5)**

**Coronal bright points: magnetic topology and mini coronal mass ejections**

**Maria Madjarska (MPISSR, Göttingen)**

Coronal bright points (small-scale loop systems) in the solar atmosphere were studied for more than 4 decades but the physical mechanism responsible for their formation and evolution is still unknown. I will present two recent studies. The first investigates the magnetic-field structure that hosts coronal bright points, and the second focuses on the nature of mass ejections originating from coronal bright points. Magnetic field data from HMI/SDO combined with imaging data from AIA/SDO are used together with potential field extrapolations. Magneto-frictional relaxation simulations are also tested for the first time aimed at understanding the formation of magnetic configurations that may generate mini coronal mass ejections from bright points.