Agenda for the 2nd ISSI meeting:

Main topics per day:

Day 1: Main variables affecting TNE cycles in the parameter space

Day 2: Simulations and influence of the setup and modelling of the transition region

- Character of the thermal instability in TNE cycles (complete vs incomplete, detection of flows)

Day 3: Coronal rain, magnetic field and heating mechanisms

Day 4: Loop modelling, coronal rain and solar flares

Day 1: Monday 21

- Introduction (ISSI, Maurizio Falanga) **9:00 - 9:15**
- Goals of the meeting, key questions (Clara & Patrick) **9:15 - 10:15**

- The effects of numerical resolution, heating time-scales and background heating on TNE in coronal loops (Craig) **10:15 - 11:00**

Break **11:00 - 11:45**

- The role of asymmetries in TNE (Jim) **11:45 - 12:30**

Lunch **12:30 - 14:00**

- Thermal non-Equilibrium in 1D and 3D:
  Quantifying Cycle Properties and Testing Predictions (Cooper) **14:00 - 14:45**

Break **14:45- 15:30**

- Discussion / Collaborative work sessions **15:30 - 17:30**

Day 2: Tuesday 22

- Exploration of Heating of AR11339 (November 8, 2011) (Zoran) **9:30 - 10:15**

- Modelling the Transition Region Using an Adaptive Conduction Method (Craig) **10:15 - 11:00**

Break **11:00 - 11:45**

- On the detection of plasma flows associated with incomplete-condensation cycles (Gabriel) **11:45 - 12:30**

Lunch **12:30 - 14:00**

- Multi-scale observations of TNE (Clara**) 14:00 - 14:45**

Break **14:45- 15:30**

- Discussion / Collaborative work sessions **15:30 - 17:30**

Day 3: Wednesday 23

- Coronal rain dynamics from 2D numerical simulations (Ramón) **9:30 - 10:15**

- Tracing fundamental processes of coronal heating in coronal loops: reconnection microjets (Patrick) **10:15 - 11:00**

Break **11:00 - 11:45**

- Magnetic field determination using the Weak Field Approximation (Matheus) **11:45 - 12:30**

Lunch **12:30 - 14:00**

- Discussion / Collaborative work sessions **14:00 - 14:45**

Break **14:45- 15:30**

- Magnetic Topological Preference in Coronal Condensation (from prominence/coronal rain) (Wei, via telecon) **15:30 - 16:15**

- Discussion / Collaborative work sessions **16:15 - 17:30**

Day 4: Thursday 24

- 3D reconstruction of the loops bundle channeling coronal rain during the "Rainbow" event (Frédéric) **9:30 - 10:15**

- Are all solar flares the same? (Brandon) **10:15 - 11:00**

Break **11:00 - 11:45**

- Electron beams cannot produce coronal rain (Jeff via Patrick) **11:45 - 12:30**

Lunch **12:30 - 14:00**

- Discussion / Collaborative work sessions **14:00 - 14:45**

Break **14:45- 15:30**

- Discussion / Collaborative work sessions **15:30 - 17:30**

Day 5: Friday 25

- Final discussion **09:30 - 12:00**