

Monday 24

19:00 Welcome reception

Tuesday 25

9:00 – 9:15 Welcome – D. Berghmans (head of the Operational Directorate "Solar Physics and Space Weather" at the Royal Observatory of Belgium) and LOC

Session 1: Heating and high spatial resolution: what we have and what we really need

Chair: F. Reale

9:15 – 10:30 Invited: *Modeling fine structure of coronal loops* – P. Browning

Invited: *New insights on coronal structuring and heating from Hi-C* – P. Testa

Discussion

10:30 – 11:00 coffee break

11:00 – 12:30 *Structure of solar coronal loops: from miniature to large-scale* – H. Peter

Small-scale Heating Events Observed with Hi-C – S. Regnier

Statistical analysis of coronal heating in active region loops – is the heating steady or variable? – A. Fludra

LEMUR/EUVST: the high spatial and temporal resolution spectrograph for the Solar C mission – L. Teriaca

Discussion

12:30 – 14:00 Lunch

14:00 – 14:20 *Hi-C and AIA observations of transverse waves in active region structures* – R. Morton

Session 2: Diagnostic tools: DEMs/EM, Doppler-shifts, plasma, flows and lines profile, importance of energetic particles, filling factor

Chair: I. Ugarte-Urra

14:20 – 15:00 Invited: *Coronal Loop Observations and Diagnostics* – D. Brooks

15:00 – 16:30 Posters session/coffee break

16:30 – 17:30 *The multi-thermal emission in solar active regions* – G. Del Zanna

Coronal Cooling and Multithermal Analysis of AIA Loops – J. Schmelz

Discussion

End of the day

Wednesday 26

Session 2: Diagnostic tools: DEMs/EM, Doppler-shifts, plasma, flows and lines profile, importance of energetic particles, filling factor

Chair: I. Ugarte-Urra

9:00 – 10:30 *Age Dependence of EM Distribution in AR Cores* – H. Mason

Can the Differential Emission Measure diagnostic be used to constrain the timescale of energy deposition in the corona? – C. Guennou

Thermal structure of coronal loops as seen with Norikura coronagraph – K. P. Sayamanthula.

Cross-Sectional Properties of Coronal Loops and Their Implications – H. Winter III

Discussion

10:30 – 11:00 coffee break

Chair: P. Testa

11:00 – 12:30 Invited: *Observations of flows in active-region loops: as a response to coronal heating* – H. Hara.

Non-Gaussian coronal spectral lines profiles in active region cores – L. Dolla

Core and Wing Densities of Asymmetric Coronal Spectral Profiles: Implications for the Mass Supply of the Solar Corona. – S. Patsourakos

Discussion

12:30 – 14:00 Lunch

14:00 – 15:00 *Density of active region outflows derived from Fe XIV 264/274* – N. Kitagawa

Invited: *HXR observations of non-flaring active regions and coronal loops* – I. Hannah

Discussion

15:00 – 16:30 Posters session/coffee break

Session 3: Connection of the different layers of the atmosphere

Chair: S. Parenti

16:30 – 17:30 Invited: *Modeling the energetics and dynamics of the outer solar atmosphere* – V. Hansteen

Asymmetries in Coronal Emission Lines and their Emission Measure – D. Tripathi

Discussion

19:00 Conference dinner

Thursday 27

Session 3: Connection of the different layers of the atmosphere

Chair: S. Parenti

9:00 – 9:50 *A coupled model for the formation of active region corona* – F. Chen
Multidimensional modeling of coronal rain dynamics – X. Fang
Discussion

Session 4: Energy release in the corona

Chair: H. Peter

9:50 – 10:30 Invited: *Recent advances in theory and modelling of coronal wave heating* –
I. De Moortel

10:30 – 11:00 coffee break

11:00 – 12:30 *Statistical analysis of several hours period intensity pulsations in the solar corona
over cycle 23 and possible interpretations* – F. Auchère

*Seismological determination of the physical parameters that govern wave
dissipation time and spatial scales* – I. Arregui

A self-consistent model of Alfvén wave phase mixing – G. Kiddie

*Toward self-consistent 3D MHD modeling of the heating of a twisted coronal
loop* – F. Reale

Discussion

12:30 – 14:00 Lunch

14:00 – 15:45 Invited: *The Heating of Solar Coronal Loops* – A. van Ballegoijen

Heating frequency in active region cores as observed in AIA Fe XVIII images –
I. Ugarte-Urra

*Can Long Nanoflare Storms or Uniform Steady Heating Models Match the EIS
Intensity Ratios in Active Region Cores?* – S. Ripperda

*Combining particle acceleration and coronal heating via data-constrained
calculations of nanoflares in coronal loops* – C. Gontikakis

15:45 – 16:30 Posters session/coffee break /end of the meeting