

ISSI Meeting #1

January 27th — 31st 2020

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 AM		Coffee	Coffee	Coffee	Coffee
9:30 AM	Coffee	Recap & Discussion	Recap & Discussion	Recap & Discussion	Recap & Discussion
10:00 AM	Intro ISSI (Falanga) Team Intro (Kerr & Polito)	FLARIX vs RADYN Comparison (Kašparová)	Transition Region Modelling (Johnston)	Nanoflares, IRIS and RADYN (Testa)	Discussion of experiments & approach (everyone)
10:30 AM					
11:00 AM	Break	Break	Break	Break	Break
11:30 AM	RADYN Intro (Carlsson)	Multi-Threaded RADYN Sims (Polito)	Discussion of experiments & approach (everyone)	IR and submm Emission (Simões)	Sum up, assign tasks, continue comparisons etc.,
12:00 PM					
12:30 PM	Lunch	Lunch	Lunch	Lunch	Lunch
1:00 PM					
1:30 PM	FP Intro (Allred)	Thermal Conduction in 1D Loop Codes (Allred)	Visualising Field-Aligned Results (Barnes)	Electron beams and Coronal Rain (Reep)	
2:00 PM					
2:30 PM	HYDRAD Intro (Bradshaw)	MS_RADYN & RADYN_Arcade (Kerr)	Mg II w/ FLARIX & MALI (Tei)	Discussion of experiments & approach (everyone)	
3:00 PM					
3:30 PM	Break	Break	Break	Break	
4:00 PM	NLTE H Updates to HYDRAD (Reep)	Lightweaver (Osborne)	Discussion of experiments & approach (everyone)		
4:30 PM					
5:00 PM	FLARIX / MALI Intro (Kašparová & Heinzel)	Discussion of experiments & approach (everyone)	H Line Broadening (Kowalski)	Discussion of experiments & approach (everyone)	
5:30 PM					
6:00 PM					
6:30 PM					
7:00 PM			Group Dinner		

ALLRED

RADYN & Flares with FP

Thermal Conduction in Field-Aligned Models

BARNES

Collaborative Development of Python Tools for Configuring, Analyzing, and Visualizing Field-Aligned Hydrodynamic Simulations

BRADSHAW

The HYDRAD Code: Overview and Application to Flares

CARLSSON

Introduction to RADYN

HEINZEL

Introduction to MALI

JOHNSTON

A Fast and Accurate Method to Capture the Solar Corona/Transition Region Enthalpy Exchange

KAŠPAROVÁ

Introduction to FLARIX

Initial Comparisons of FLARIX and RADYN

KERR

MS_RADYN: Non-equilibrium modelling of Si IV & Mg II

RADYN_ARCADE: Bridging the gap from 1D to 3D for optically thin emission

KOWALSKI

Hydrogen Line Broadening in Flare Simulations

OSBORNE

Introduction to Lightweaver

POLITO

Multi-Threaded modelling with RADYN: Fe XXI line broadening

REEP

Approximating NLTE Hydrogen Level Populations in HYDRAD

Electron beams cannot produce coronal rain

SIMÕES

RHD modelling of the IR and submm flare radiation

TEI

Mg II Modelling with FLARIX and MALI

TESTA

Nanoflare Modelling with RADYN