

ISSI Team on Coronal Magnetometry Second Meeting

March 10-14

Monday March 10

9:00 - 12:30 (or so)

“Progress since last meeting; Goals for this meeting”

Sarah Gibson

“Coronal magnetic field: on modeling and observation”

Yihua Yan

“Non-linear force-free modeling of coronal magnetic fields”

Sijie Yu

“Forward modeling from simulations: full sun and active regions”

Cooper Downs

12:30 - 2:00 Lunch

2:00 - 6:00 (or so)

“New developments in FORWARD: widgets, data interface, and more!”

Sarah Gibson

“Spectral line updates to FORWARD”

Terry Kucera

***We will spend the afternoon getting used to the new FORWARD interface, and setting goals for the week with regards to use and ongoing expansion of the codes.

Tuesday March 11

9:00 - 12:30 (or so)

“LOS velocity as a tracer of coronal cavity magnetic structure”

Urszula Bak-Steslicka

“Forward modeling cavity flows”

Sarah Gibson

"Thermal emission and flow properties of a cavity "

Patricia Jibben

"Magnetic modeling of cavity"

Kathy Reeves

"Connecting cavity and prominence magnetic fields "

Terry Kucera

12:30 - 2:00 Lunch

2:00 - 6:00 (or so)

Ad hoc breakout groups to work on projects:

- integrating new models/datacubes with FORWARD codes
- observations vs forward modeling (e.g., cavities/prominences, pseudostreamers, global 3D corona...)
- adding further capability to FORWARD: observables, diagnostics, instrument-specific interfaces, etc.

Wednesday March 12

9:00 - 12:30 (or so)

"Coronal polarization of pseudostreamers and double helmet streamers"

Laurel Rachmeler

"New measurements of near-IR coronal lines, and a permitted line magnetometry concept"

Jeff Kuhn

"Permitted and forbidden coronal line modelings"

Gabriel Dima

"Understanding the evolution of the coronal magnetic field"

Don Schmit

Afternoon free: possible group excursion (maybe the sled hill will be open?)

Thursday March 13

9:00 - 12:30 (or so)

“Prospects for coronal magnetometry with DKIST”

Jeff Kuhn

"CoMP observations and analysis "

Steve Tomczyk

“Gyroresonance and FORWARD; Current developments in Radio telescopes”

Stephen White

Group discussion: identifying future opportunities for ground and space-based coronal magnetometry and considering policy and advocacy (e.g., white paper)

12:30 - 2:00 Lunch

2:00 - 6:00 (or so)

Breakout groups (including white-paper outline team):

Friday March 14

9:00 - 1:00 (or so)

“Eclipse 2010 FeXIV polarimetry: observations and comparison with forward modeling”
Alessandro Bemporad

"Diagnosing coronal evolution using Stokes signals "

Mei Zhang

Summaries/presentations from breakout groups

Plans for future collaborations/papers, white paper, community workshops...

1:00 - 2:00 Lunch

2:00 - 6:00 (or so)

Breakout groups - finishing up projects, etc.

Meeting adjourns