

Helium Cone Meeting at ISSI

Thursday, August 8

E. Möbius and J. Raymond arrive; possibly brief introductory discussions on logistics and papers at ISSI

Friday, August 9

R. Lallement and G. Gloeckler arrive.

E. Möbius, J. Raymond, and R. Lallement discuss the scope and open questions on the UV Scattering paper.

Individual work on paper manuscripts.

Saturday, August 10

E. Möbius and G. Gloeckler discuss the scope and open questions on the pickup ion paper.

Individual work on paper manuscripts.

Helium Cone Meeting at ISSI

Monday, August 12

900 Welcome, overview, logistics, plan for the week (Möbius, von Steiger)

Introductory presentations

Local Interstellar Parameters, what are remaining questions? (Möbius)

Interstellar parameters from neutral gas measurements from a multi-year data set, latest results and questions (Witte)

Spatial and velocity distribution of He pickup ions in the cone region
– Related transport and acceleration processes (Chalov)

Interstellar parameters from pickup ion measurements at 1 AU and from Ulysses, comparison within a multiyear data set (Gloeckler)

Remarks on the modeling of helium in the heliosphere and in the interstellar medium (Fahr)

Modeling of the interstellar neutral He in the heliosphere and its temporal variations (Bzowski)

Lunch Break

130 *Individual work on paper manuscripts.*

Helium parameters from EUV absorption observations (Lallement)

Diagnostics of the focusing cone close to the sun (Raymond)

Discussion of a consistent set of physical parameters and implications (All, Lead E.M.)

[Ruedi, John Vallerger, is it possible to bring you, John, into our Monday afternoon discussion on the UV scattering results via NetMeeting? Priscilla has brought this into the discussion for her participation. Is this an option for you? We could adjust the schedule to ease your participation, given the time zone, but you still may have to be up early.]

Individual work on paper manuscripts.

Tuesday, August 13

900 Discussion of a consistent set of physical parameters and implications [as necessary]
Discussion of paper writing. (All, Lead E.M.)

LISM parameters for H from pickup ion observations (Gloeckler)

LISM parameters for H from UV scattering observations (Lallement)

What can UVCS contribute to the H analysis (Raymond)

Discussion of data needed for H analysis and models inside the heliosphere (All, Lead H.F.)

Lunch Break

130 (Net Meeting, including P. Frisch and J. Slavin [*Jon, possible for you?*])

Summary on updates of H parameters and available data sets (Möbius)

The local cloud environment and its structure (***Pris, please comment on title***) (Frisch)

The radiation environment in the LISM and implications on ionization states (Slavin)
Emphasis in both presentations should be on big open questions, uncertainties, and which data could constrain models.

Modeling of the heliosphere and filtration of LISM material on its way into the solar system

I. (Izmodenov)

II. (Müller)

To which of the physical parameters of H are the models most sensitive?

Wednesday, August 14,

- 900 Plenary meeting: Discussion of LISM Physical Conditions Proposal
Working Groups: Modeling input (H.F., M.B., V.I., H.-R.M., S.C., R.K.)
Observation Input (G.G., R.L., E.M., J.R., R.vS.)
Plenary Meeting (Wrap Up, questions)

Lunch Break

- 130 (Net Meeting, including P. Frisch and J. Slavin (*as felt necessary*))
Talks by Izmodenov and Müller, if not finished by previous afternoon.
Modeling of the time dependent H density structure inside the heliosphere (Bzowski)
Discussion of new ISSI Proposal, needed contributions, who should be invited?
Writing assignments
Executive Meeting (subgroup including Möbius, von Steiger, Kallenbach + others)

Thursday, August 15

- Plenary meeting: morning and after lunch; (questions on papers and on H proposal)
Working Groups: Paper Writing (lead authors)
How to make filtration modeling consistent? (V.I, H.-R.M., H.F., S.C., M.B.)
Which data sets should be compiled for combined analysis? (G.G., R.L., E.M.)

Friday, August 16

- 900 Presentation of WG results and open questions for proposal writing WGs
Discussion (all)
Open questions on papers, action item assignment, (all)
Plans for an executive meeting of lead authors?

Lunch Break

- Individual work on manuscripts
(If possible: Discussion E. Möbius, M. Witte, G. Gloeckler discuss neutral gas paper.)
Possibly another wrap-up discussion

Saturday, August 17

- E. Möbius and M. Witte discuss the scope and open questions on the neutral gas paper.
Individual work on paper manuscripts.