

Planck WG7 Meeting - Manchester July 12-14 2010

Monday 12th July 2010 : Introduction and common themes

Introduction

CHAIR: Rod Davies

08:30 - 09:00 Arrive, pick up badges, upload talks to computer etc.

09:00 - 09:05 Local arrangements (Clive Dickinson)

09:05 - 09:15 Introduction - aims and objectives (Martin Giard)

09:15 - 09:40 Overview and status of Planck data - report from recent core teams (Carlo Burigana)

09:40 - 10:00 Status of LFI calibration and systematics including polarization (Paddy Leahy)

10:00 - 10:15 Status of HFI calibration and systematics including polarization (Francois Boulanger/TBC)

10:15 - 10:30 Overview and schedule for the early papers (Martin Giard)

10:35 - 11:00 Coffee break

Component separation

CHAIR: Rod Davies

11:00 - 11:30 Overview & status of DPC diffuse component separation and open issues (Carlo Baccigalupi - remotely)

11:30 - 11:50 Overview of results CCA (Sara Ricciardi - remotely)

11:50 - 12:10 Overview of results from MEM (Vlad Stolyarov)

12:10 - 12:30 Overview of results from parametric fitting (Clive Dickinson)

12:30 - 12:50 Overview of results from SMICA (Jacques Delabrouille)

12:50 - 13:00 Discussion

13:00-14:00 Lunch

Component separation (continued)

CHAIR: Peter Martin

14:00 - 14:20 Overview of results from generalized ILC (Jacques Delabrouille)

14:20 - 14:40 From GMCA to a new approach in component separation (Florent Sureau)

14:40 - 15:00 CO survey recovery with the MILCA algorithm (Guillaume Hurier)

15:00 - 15:30 Discussion on component separation

15:30 - 16:00 Coffee break

Compact source extraction

CHAIR: Peter Martin

16:00 - 16:20 Status of DPC source extraction (Diana Harrison)

16:20 - 16:40 Status of ERCSC (Xi Chen)

Ancillary data and common tools

16:40 - 17:00 Status of ancillary data (Jean-Philippe Bernard)

17:00 - 17:30 Discussion

Tuesday 13th July 2010 : WG7 projects

Projects focussed on compact objects

CHAIR: Tony Banday

09:00 - 09:20 Overview & status of cold cores project (Mika Juvela)

09:20 - 09:40 Overview & status of massive star formation project (Giovanna Giardino)

09:40 - 10:00 Overview & status of stellar evolution project (Carlo Burigana)

10:00 - 10:20 Overview & status of supernova remnants project (Clive Dickinson for Bill Reach/Dave Green)

10:20 - 10:40 Overview & status of solar system objects project (Carlo Burigana)

10:40 - 11:10 Coffee break

Further presentations, discussion and group activities

CHAIR: Tony Banday

11:10 - 11:25 Validation criteria used in the ECC (Doug Marshall)

11:25 - 11:40 Statistical Analysis of the Planck Cold Core Population (Ludovic Montier)
11:40 - 11:55 Search for Very Cold Debris Disks in the Planck Data (Jean-Francois Lestrade)
11:55 - 12:10 Detecting Zodi in HFI data (Ken Ganga)
12:10 - 13:00 Discussion

13:00 - 14:00 Lunch

Diffuse components.

CHAIR: Giovanna Giardino

14:00 - 14:20 Overview & status of synchrotron project (Paddy Leahy)
14:20 - 14:40 Overview & status of WIM project (Rod Davies)
14:40 - 15:00 Overview & status of anomalous dust project (Richard Davis)
15:00 - 15:15 Early paper on anomalous dust regions - initial results (Clive Dickinson)
15:15 - 15:30 Study of the anomalous in the Perseus molecular cloud and California nebula (Ricardo Genova-Santos)

15:30 - 16:00 Coffee break

Further presentations, discussion and group activities

CHAIR: Giovanna Giardino

16:00 - 16:15 Template fitting to Planck data (Mike Peel)
16:15 - 16:30 Issues with foreground template fitting (Tess Jaffe)
16:30 - 16:45 The Physics of Dust (Anthony Jones)
16:45 - 17:00 Modelling the dust emission: tools and issues (Laurent Verstraete)
17:00 - 17:15 Dust Emission Properties: New Laboratory Results (Claude Meny)
17:15 - 17:45 Discussion

Wednesday 14th July 2010 : WG7 projects

Projects focussed on dust properties

CHAIR: Mika Juvela

08:30 - 08:50 Overview & status of dust in nearby molecular clouds (Alain Abergel)
08:50 - 09:10 Overview & status of dust at high galactic latitude (Peter Martin)
09:10 - 09:30 Overview & status of interstellar clouds polarization (Francois Boulanger)
09:30 - 09:50 Overview & status of dust properties from polarization (Jean-Philippe Bernard)

Further presentations and discussion for the above projects

09:50 - 10:05 Dust polarisation properties (Vincent Guillet)
10:05 - 10:20 NANTEN CO survey contribution to Planck (Yasuo Fukui)
10:20 - 10:30 Discussion

10:30 - 11:00 Coffee break

Projects focussed on the structure of the Galaxy

CHAIR: Mika Juvela

11:00 - 11:20 Overview & status of 3-D Galaxy project (Martin Giard) & AKARI contribution (Yasuo Doi)
11:20 - 11:40 Overview & status of the phases of the ISM project (Peter Martin/Gilles Joncas)
11:40 - 12:00 Overview & status of Galactic magnetic field project (Tony Banday)
12:00 - 12:15 Modelling the magnetic field on the plane (Tess Jaffe)
12:15 - 12:30 Constraints on the parameters of the Galactic magnetic field using Planck data (Lauranne Fauvet)
12:30 - 12:45 Synchrotron: GALPROP, cosmic-rays and the Fermi Connection (Andy Strong)
12:45 - 13:00 Discussion

13:00 - 14:00 Lunch

Further presentations, discussion and group activities

CHAIR: Martin Giard

14:00 - 15:10 Further presentations, discussion and group activities
15:10 - 15:30 Wrap-up and outlook (Rod Davies/Martin Giard)

15:30 - 16:00 Coffee & **END OF MEETING**