

1st ReSoLVE Meeting

First ReSoLVE Science meeting, 17.-19.2.2014 in Kuusamo Finland at Hotel/Spa Kuusamon Tropiikki.

Monday 17.2.2014

1000-1045 Kalevi Mursula: Presentation of ReSoLVE: What's it all about?
1045-1100 Maarit Mantere: Dynamo team and its goals
1100-1145 Matthias Rheinhardt: Theoretical aspects related to the solar dynamo, future ideas and prospects
1145-1230 Petri Käpylä: [Simulations showing NS-asymmetry and long-term drops in the magnetic activity level](#)
1230-1400 Lunch
1400-1445 Fred Gent: [Convection zone - corona connection: Future directions in ReSoLVE framework](#)
1445-1515 Nigul Olsper: [PhD project plan](#)
1515-1600 Discussion (esp. solar dynamo related topics)
1600-1630 Coffee break
1630-1645 Kalevi Mursula: Helios team and its goals
1645-1700 Ilya Usoskin: COSMIC team and its goals
1700-1715 Timo Asikainen: [Energetic team and its goals](#)
1715-1730 Eija Tanskanen: [Magnetic team and its goals](#)
1730 - Discussion & Brainstorming

Tuesday 18.2.2014

0900-0915 Kalevi Mursula: News from ReSoLVE board meeting + AOB
0915-1000 Liyun Zhang: [Consistent N-S asymmetry in the solar surface rotation - determined by modeling the rotation of solar active longitudes](#)
1000-1015 Break
1015-1045 Iiro Virtanen: [Determining rotation parameters of active longitudes with Bayesian inference](#)
1045-1130 Ilpo Virtanen: [Photospheric magnetic field: measurements, data series, challenges and importance in ReSoLVE](#)
1130-1200 Discussion (esp. solar activity related topics)
1200-1500 Lunch and Freetime activities
1500-1545 Eija Tanskanen: [Magnetospheric response to Alfvénic interplanetary fluctuations](#)
1545-1630 Liisa Juusola: [Effect of the ring current on preconditioning the magnetosphere for steady magnetospheric convection](#)

1630-1700 Coffee break

1700-1745 Ilya Usoskin: [Cosmic rays in the Earth atmosphere with emphasis on long-term changes](#)

1745-1815 Anton Artamonov: [Ionization sources of the upper atmosphere](#)

1815- Discussion & Brainstorming

Wednesday 19.2.2014

0900-0945 Ilpo Virtanen: [North south asymmetry in the heliospheric, coronal and photospheric magnetic fields](#)

0945-1000 Pauli Väisänen: [Turbulence in solar wind](#)

1000-1015 Coffee break

1015-1045 Pyry Peitso: [Historical auroral observations and snake method for oval boundary identification](#)

1045-1115 Reko Hynönen: [Geomagnetic activity and its sources during modern solar maximum](#)

1115-1145 Lauri Holappa: [Annual fractions of high speed streams from principal component analysis of local geomagnetic activity](#)

1145-1200 Timo Qvick: [Kalman filtering applied to geomagnetic indices](#)

1200-1230 Eleanna Asvestari: [Particle acceleration at quasi-parallel shocks](#)

1230-1400 Lunch

1400-1445 Timo Asikainen: [Long-term variability of energetic particle precipitation](#)

1445-1515 Ville Maliniemi: [Electron precipitation and high speed stream signatures in the Northern Hemisphere winter climate](#)

1515-1600 Discussion & Brainstorming

1600 Closure

List of participants

COSMIC team

Ilya Usoskin, Professor, COSMIC team leader

Anton Artamonov, PhD student

Eleanna Asvestari, PhD student

DYNAMO team

Maarit Mantere, Docent, DYNAMO team leader

Petri Käpylä, Docent

Nigul Olspert, PhD student
Fred Gent, Postdoc
Matthias Rheinhardt, Senior researcher

ENERGETIC team

Timo Asikainen, Academy research fellow, ENERGETIC team leader
Ville Maliniemi, PhD student

HELIOS team

Kalevi Mursula, Professor, ReSoLVE leader, HELIOS team leader
Ilpo Virtanen, Postdoc, ReSoLVE coordinator
Iiro Virtanen, MSc student
Pauli Väisänen, MSc student
Liyun Zhang, Postdoc
Lauri Holappa, PhD student
Timo Qvick, MSc student

MAGNETIC team

Eija Tanskanen, Professor, MAGNETIC team leader
Liisa Juusola, Postdoc
Reko Hynönen, PhD student
Pyry Peitso, PhD student