SFB Preparatory Meeting

May 23, 2016, 09:30 a.m. – 6 p.m.
Department of Astrophysics, University of Vienna

Agenda

Morning session: 10.00-12.00

10.00-10.30: Eduard Vorobyov: Introduction. Summary of the SFB proposal.

10.30-11.00: SP2: Eduard Vorobyov: "Disk formation and long-term evolution".

11.00-11.30: SP3: Thorsten Ratzka: "The Influence of Companions on the Evolution of Disks".

11.30-12.00: SP4: Manuel Guedel: "Stellar output and its effect on the disk evolution".

12.00-12.15: General discussion SP2,SP3, SP4

Lunch break: 12.30-13.30

Afternoon session: 13.30-16.00

13.30-14.00: SP5: Odysseas Dionatos: “The role of ejecta in determining the protostellar evolution”.

14.00-14.30: SP6: Theresa Lueftinger: “Star-disk interaction and protostellar accretion”.

14.30-14.45: General discussion SP5, SP6.

15.00-16.00: Informal discussion.

Coffee break: 16:00-16:30

Evening session: 16:30 - 18:00

16.30-17.00: SP7: Elke Pilat-Lohinger: "Growth and dynamics of planetesimals and planetary cores".

17.00-17.30: SP8: Talk by Ernst Dorfi

17.30-18.00: Discussion. Final remarks. Future plans.

Attendees:

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Preliminary title of the SFB project proposal: From molecular clouds to planetary systems. Deciphering the star and planet formation DNA.

Workshop Summary:

Eduard Vorobyov gave an overview on the rules of an SFB. It came out that the project leader should preferably have a permanent position or the promotion of the University. To clarify this point, FWF probably should be called. The rest of the requirements for an SFB can easily be met by the project partners (e.g. 5 or more subprojects, 50% or more in one city, …).

This overview was followed by an introduction into the project idea, presented by Eduard Vorobyov. By now, the project proposal consists of the following 8 subprojects:

- **SP1 Administration**
- **SP2 Eduard Vorobyov:** The dynamical evolution of young circumstellar disks (disks)
- **SP3 Thorsten Ratzka:** The influence of companions on the evolution of disks (binaries
- **SP4 Manuel Güdel:** Stellar output and its effect on the disk evolution
- **SP5 Odysseas Donatos:** The role of ejecta in determining the protostellar evolution
- **SP6 Theresa Lüftinger:** Star-disk interaction and protostellar accretion
- **SP7 Elke Pilat-Lohinger:** Growth and dynamics of planetesimals and planetary cores
- **SP9 Gerhard Hensler:** Interaction of massive stars with their surroundings and their energy