

## First Circular

### ISSI Workshop **Coronal Mass Ejections** Bern, Switzerland, 16–20 March 2004

- Workshop Topic
- List of Invitations
- Working Group Topics and Co-chairs
- Introductory Talks and Papers
- Preliminary Schedule
- Registration Form

#### Workshop topic

A series of workshops is in progress during the years 2000 – 2004 to study in detail origin, development, and effects of coronal mass ejections (CMEs). An international team of about 60 experimenters, ground observers, and theoreticians works on interpreting the observations and developing new models for CME initiations, development, and interplanetary propagation. Under investigation are also effects on charged particles and related phenomena like energetic particle acceleration, interaction with ambient solar wind and other CMEs, as well as the internal structure of CMEs and its time variation. Fundamental questions concerning CMEs (e.g. CME initiation) and many detailed observations are still not understood. The workshop shall help to jointly investigate these questions with scientists from all scientific areas involved. The workshop consists mainly of working group sessions on specific topics with a limited number of introductory talks. The specific aim of the ISSI Workshop in 2004 is to publish the workshop results in a joint publication.

#### List of Invitations (with Working Group assignments):

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### Working Groups and Their Co-Chairs:

A:	"Coronal observations",	Raymond, Schwenn.
B:	"Solar wind and magnetic field measurements",	Wimmer, Crooker.
C:	"Energetic particle observations",	Klecker, Kunow.
D:	"CME theory and models",	Forbes, Linker.
E:	"The pre-CME Sun",	Mikic, Gopalswamy (Schwenn).
F:	"CME-related coronal phenomena",	Mann, Pick (Linker).
G:	"Inner heliosphere",	Forsyth, Bothmer (Crooker).
H:	"Outer heliosphere & high latitudes",	Gazis, Balogh (Kunow).

### Introductory Talks and Papers:

1. Introduction (Convenors)
2. CME observations (structure, dynamics)
3. Solar wind and field observations of ICMEs in situ
4. CME associated energetic particles (acceleration, propagation)
5. Theory and models of CME initiation and evolution
6. The pre-CME Sun
7. CME-related phenomena (radio bursts, flares, particles, shock formation)
8. Formation and evolution of ICMEs (e.g. turbulence)
9. Outer heliosphere and high latitude phenomena
10. WS Summary

(authors for these papers will be solicited by separate email)

### Preliminary Schedule:

Tue 16 March	am, pm:	Plenary: Introductory talks (30 min + disc.)
Wed 17 March	am:	Plenary: Elmau WG reports (15 min + disc.)
	pm:	WG A-D
Thu 18 March	am:	WG A-D
	pm:	Excursion
Fri 19 March	am:	WG E-H
	pm:	WG E-H
		Dinner
Sat 20 March	am:	WG A-D, E-H (1 hour each)
	pm:	Plenary: WG reports (15 min +), Summary talk, closing session

There will be a plenary session every morning as well as co-chair meetings at 8.30 am.

## Registration

### ISSI Workshop **Coronal Mass Ejections** Bern, Switzerland, 16–20 March 2004

**I accept the invitation to this workshop and plan to attend.**

Last Name:.....

First Name:.....

Affiliation:.....

Address:.....

City:.....

Country:.....

Tel:.....

Fax:.....

Email:.....

**Comments:**

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**Deadline for Registration: 30 September 2003**