

## The EURO-GDR SUPERSYMMETRY

The Euro-GDR SUPERSYMMETRY is a four-year program (2001-2004) which aims at gathering theorists, high energy experimentalists and astrophysicists around the general topic of supersymmetry and related theories beyond the Standard Model of fundamental interactions.

It is a continuation of a French program, the “Groupement de Recherches (GDR) sur la supersymétrie” which has been playing a similar role for the French community in the years 1997-2000.

The goal is to enhance discussions and collaborations among members of the community, especially between experimentalists and theorists; to identify promising new lines of research; and possibly to provide scientific expertise when needed by the community at large.

This is done by setting working groups on varied issues. These working groups may cover a broad area of the physics of supersymmetry, or instead be task forces dedicated to the study of a point of special interest. In the latter case, their length is generally limited in time and their purpose is reappraised at the end. Because one of the goals of the program (by comparison with programs more limited in scope) is to favour a comprehensive approach of supersymmetry and to emphasize the connections between the different fields where supersymmetry plays a role, it is important that, at some point, all the participants to the program meet and confront their achievements and their ideas for future work. Thus, every year, a general meeting is organized where all members are expected to participate. It should be stressed that such a meeting is not intended as another conference but as a confrontation of the ideas developed in the working groups and a discussion of new issues of interest.

The first of these meetings is held in Aachen in June 6-8, 2001. It will be the occasion to discuss in more details how the program will be runned and to set up the working groups. The parallel sessions have been devised as a possible pattern for the broad interest groups mentioned above:

- Supersymmetric models for colliders
- Flavours (including neutrinos)
- Strings, branes and extra dimensions
- Particle astrophysics and cosmology
- Tools (supersymmetric spectra, generators, dark matter abundance, CMB codes, ...)

More specialized task forces will also be discussed. Future general meetings should take place in other countries which have a large participation in the

Euro-GDR. This should also be an occasion to advertize in this country the projects of the Euro-GDR.

The activities, in between the yearly general meetings, take place through the meetings of the different working groups (more frequent for the more focussed task forces), meetings at a national level (the French, for example, intend to have a meeting every fall), meetings with European networks, ...

The Euro-GDR has a Scientific Board which finalizes the number and content of the different working groups, appoints the conveners (as much as possible, a theorist and an experimentalist for each group), approves any activity of scientific expertise that the Euro-GDR may provide, decides on the location of the general meetings and determines in which way the work done within the working groups may bear the label "Euro-GDR". The Euro-GDR aims also at not duplicating the work done in other groups, European networks or future machine working groups. It tries instead to promote collaborative effort and to bring its own expertise to new initiatives.

Funding is on a national or local basis. If needed, a country may have a national board to overlook its own funding, as well as to organize events at a national level (general meetings of the members, working or discussion groups).

To become a member and obtain information about the general events of the Euro-GDR, it suffices to send the following message *subscribe eurogdr-l lastname firstname* (replacing the latter by one's last and first name) to `listserv@in2p3.fr`. One signs off by sending the message *signoff eurogdr-l* to the same address.