

## "Extranuclear Activity in Galaxies"

About 80 participants attended the ESO Workshop on Extranuclear Activity in Galaxies, held in Garching on May 16-18, 1989. The meeting was followed by an informal session on Cen A on May 19, 1989 where survivors from the previous three days were present. Additional colleagues from ESO and from the neighbouring Max Planck Institutes could be met at the usual ESO reception at the end of the first day.

The scientific programme featured 10 keynote contributions which in comprehensive reviews covered a wide range of observational, interpretative and theoretical issues bearing on the workshop's general theme. These larger overviews were supplemented by shorter contributions, selected to match the subject of the workshop as closely as possible. In addition, time had been reserved to digest a substantial number of interesting posters. The programme for

the Cen A session was finalized during the days of workshop and staged a variety of new exciting data that demonstrated once more the unique status of the nearest radio galaxy. Vital organizational matters were smoothly handled by secretaries Christina Stoffer and Britt Sjöberg. The meeting was favoured by a week of good weather and ended in a natural way in the local beer garden.

All in all the papers presented during this workshop provide an up-to-date overview of this quickly developing field of study. An issue that featured prominently during these days concerns the question whether the nuclear radiation field in many or in most active galaxies is anisotropic, which may explain the asymmetries often observed for extranuclear activity. A related and even more fundamental consideration is whether local energetic sources may account for at least certain forms of

extranuclear activity or can be ruled out. For these and other questions it is instructive to compare highly energetic (though mostly distant) radio galaxies with the moderately energetic active galaxies, even when not leading to obvious solutions. It is quite remarkable in fact that nowadays in so many of the objects extended emission may be found. The material presented at this workshop clearly indicates that for a proper understanding of these extranuclear phenomena a broad range of topics has to be considered, including both a description of the nuclear activity and knowledge about the material surrounding the nucleus.

The Proceedings will be published by the European Southern Observatory and are expected to be available early this autumn (see box).

*E. Meurs (ESO) and  
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## "Low Mass Star Formation and Pre-Main Sequence Objects"

The Workshop on low mass star formation and pre-main sequence objects took place in Garching on July 11-13, 1989.

About 170 participants from 20 countries attended the meeting. During three days, 26 reports were presented on recent advances in both observational and theoretical studies of the formation and early evolution of low mass stars. Additionally, 85 poster papers were dis-

played, presenting newly completed or ongoing star formation research programmes (see photo). A special poster session described ten prominent southern molecular clouds with active low mass star formation. The Workshop gave a lively overview of a dynamic and rapidly growing field of astronomy.

The Proceedings will be published by the European Southern Observatory and are expected to be available around

the middle of October 1989 (see box).

*B. Reipurth (ESO)*



The following ESO Workshop Proceedings will become available in October 1989:

### **Extranuclear Activity in Galaxies**

The price of this volume, edited by E. Meurs and R. Fosbury, is DM 40.- (including packing and surface mail).

### **Low Mass Star Formation and Pre-Main Sequence Objects**

This volume, edited by Bo Reipurth, contains approximately 500 pages and is offered at a price of DM 50.- (including packing and surface mail). Payments have to be made to the ESO bank account 2102002 with Commerzbank München or by cheque, addressed to the attention of

ESO, Financial Services  
Karl-Schwarzschild-Str. 2  
D-8046 Garching bei München

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