Stellar End Products

Granada, April 13-15, 2005

Scientific Organizing Committee

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Sponsorship

A workshop organized by the EU Consortium RadioNet together with the Instituto de Astrofísica de Andalucía - CSIC (Granada, Spain), as part of the RadioNet Scientific Workshop Programme, and sponsored by RadioNet, the Spanish Ministerio de Eduación y Ciencia, and the Spanish Consejo Superior de Investigaciones Científicas (CSIC).

FOREWORD

The workshop ”Stellar End Products” held from April 13 - April 15, 2005 at the Instituto de Astrofísica de Andalucía (IAA-CSIC), was the third in a series of scientific workshops organized and sponsored by the EU Consortium RadioNet (www.radionet-eu.org) with the aim of fostering scientific links and cross-disciplinary collaboration between radio astronomers and astrophysicists working in Europe and across the world.

The workshop brought together 54 participants from all over the world, constituting a forum to discuss recent advancements and future prospectives in the study of the final stages in the lives of stars, with special emphasis on the use and impact of radio observations.

The workshop was divided into five sessions: (I) From AGB stars to Planetary Nebulae, (II) Pulsars and Neutron Stars, (III) Supernovae and Supernova Remnants, (IV) Compact objects in binary systems and (V) Gamma-ray bursts. Critical aspects, both from the observational and theoretical points of view, were highlighted in a number of invited reviews, and further explored in the contributed talks, posters and joint discussions.

Attendance at the meeting of young researchers and women was encouraged. Most participants were less than 35-years old, a large fraction of them being graduate students, and 30% of the participants were women. Presentation of an oral contribution or poster from each participant was also encouraged. The meeting was limited to a maximum of 50-55 participants to facilitate interaction and discussion among the participants.

I hope the workshop helped in creating and diffusing ideas and knowledge across the various subfields in which the study of the final stages of stellar evolution is usually divided, and that it provided a good starting point for new collaborative efforts in the field of ”Stellar End Products”.

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The workshop would have not been possible without the collaborative efforts of a large number of people. I am very grateful to Tiziana Venturi for her help through all the stages of the organization of this workshop, even when it was simply an idea. I am also grateful to Andrei Lobanov for sharing with me his experience in organizing a similar workshop. I thank Rafael Rodrigo for accepting to host the workshop as soon as we proposed it, and José Carlos del Toro for his further support. I thank the rest of the Scientific Organizing Committee members, Rob Fender, Michael Kramer, Alan Pedlar and José María Torrelles for their help in preparing the scientific programme. Finally, I warmly thank the other members of the Local Organizing Committee, Antxon Alberdi, Lucas Lara, Paco Rendón, Pepe Ruedas and Cristina Torrededía for their invaluable help.

Miguel A. Pérez-Torres
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