

MEMORIE DELLA SOCIETÀ ASTRONOMICA ITALIANA

Vol.83 n.4 2012

## 30 years of Italian participation to ESO

Rome, July 2-3, 2012

editors: Editor: V. Mainieri

### TABLE OF CONTENTS

<i>Index</i>	1097
<i>Foreword</i>	1099
<i>List of Participants</i>	1101
G. Setti <i>Italys entry in the ESO organization: a historical review</i>	1103
M. Tosi <i>ESO from an Italian perspective</i>	1109
E. Pian <i>The most powerful explosions in the Universe: genesis and evolution of Supernova and Gamma-Ray Burst Italian programs at ESO</i>	1117
L. Pentericci <i>Probing the end of the reionization epoch with the most distant galaxies</i>	1123
G. Cresci <i>Gas accretion in distant galaxies as the origin of chemical abundance gradients</i>	1128
S. D'Odorico <i>Italian contribution to the ESO instrumentation, from La Silla to the E-ELT</i>	1134
P. Santin <i>VLT instrumentation control: the collaboration of OATs with ESO</i>	1143
P. Ciliegi, E. Diolaiti, A. Baruffolo, M. Bellazzini, G. Bregoli, C.R. Butler, J.M. Conan, G. Cosentino, I. Fioppiani, M. Lombini, E. Marchetti, C. Petit, C. Robert, L. Schreiber, V. Biliotti, S. D'Odorico, T. Fusco, N. Hubin <i>E-ELT Multi-Conjugate Adaptive Optics module: image quality performance</i>	1151
R.P. Mignani <i>Thirty years of pulsar studies at ESO. The Italian contribution.</i>	1157

1098

- E. Caffau, P. Bonifacio, L. Sbordone, L. Monaco, P. François  
*Observing metal-poor stars with X-Shooter* 1161
- R. Gratton, E. Carretta, A. Bragaglia, S. Lucatello, A. Sollima  
*Understanding the horizontal branch of globular clusters using FLAMES* 1165
- F. Massi  
*Optical Interferometry at the VLTI: Italy's contribution and the latest advances in understanding the circumstellar environment of young stars* 1170
- E. Iodice  
*The structure of the barred galaxy NGC253: target of the VISTA and VST Science Verification extragalactic mini-survey* 1174