

PREFACE	<i>E. Recillas, A. Luna, & Y. D. Mayya</i>	vii
GROUP PHOTOGRAPH		ix
LIST OF PARTICIPANTS		xi

INVITED AND ORAL CONTRIBUTIONS

DIFFUSION COEFFICIENTS OF A NON-LINEAR ASTROPHYSICAL PROCESS: LUIS CARRASCO'S SCIENTIFIC (AND OTHER) CONTRIBUTIONS	<i>L. A. Aguilar</i>	1
THE ROLE OF THE GRAN TELESCOPIO MILIMÉTRICO IN STUDIES OF STAR FORMATION	<i>M. H. Heyer</i>	6
<i>SPITZER</i> -IRAC IMAGERY AND PHOTOMETRY OF ULTRACOMPACT H II REGIONS WITH EXTENDED EMISSION	<i>E. de la Fuente, A. Porras, J. M. C. Grave, M. S. N. Kumar, M. A. Trinidad, S. Kurtz, S. Kemp, J. Franco, & G. Quevedo</i>	13
THE MYTH OF THE IMF	<i>J. Melnick</i>	21
THE LARGE SCALE MOLECULAR ENVIRONMENT TOWARDS WEST-ERLUND 1	<i>A. Luna, Y. D. Mayya, L. Carrasco, L. H. Rodríguez-Merino, & L. Bronfman</i>	32
RUNAWAY STARS. THEN AND NOW	<i>A. Poveda</i>	38
M82 AS A GALAXY: MORPHOLOGY AND STELLAR CONTENT OF THE DISK AND HALO	<i>Y. D. Mayya & L. Carrasco</i>	44

CONTENTS

AGE AND EXTINCTION OF THE ULTRAVIOLET EMITTING REGIONS IN M82	56
<i>L. H. Rodríguez-Merino, D. Rosa-González, Y. D. Mayya, L. Carrasco, A. Luna, & R. Romano</i>	
PROBING THE LINK BETWEEN DYNAMICS AND STELLAR EVOLU- TION: BLUE STRAGGLER STARS IN GLOBULAR CLUSTERS	62
<i>F. R. Ferraro & B. Lanzoni</i>	
DOWNSIZING AMONG DISK GALAXIES AND THE ROLE OF THE ENVI- RONMENT	72
<i>G. Gavazzi</i>	
BARRED GALAXY PHOTOMETRY: COMPARING RESULTS FROM THE CANANEA SAMPLE WITH <i>N</i> -BODY SIMULATIONS	79
<i>E. Athanassoula, D. A. Gadotti, L. Carrasco, A. Bosma, R. E. de Souza, & E. Recillas</i>	
MULTI-WAVELENGTH MODELLING OF DUSTY GALAXIES. GRASIL AND APPLICATIONS	83
<i>L. Silva</i>	
THE ENERGETIC ENVIRONMENT AND THE DENSE INTERSTELLAR MEDIUM IN ULIRGS	94
<i>O. Vega, M. S. Clemens, A. Bressan, G. L. Granato, L. Silva, & P. Panuzzo</i>	
ON THE EARLY EVOLUTION OF YOUNG STARBURSTS	100
<i>D. Rosa-González, H. Schmitt, E. Terlevich, & R. Terlevich</i>	
THE FUNDAMENTAL PLANE OF RICH ABELL CLUSTERS	106
<i>H. J. Ibarra & O. Lopez-Cruz</i>	
SPECTROSCOPIC GRADIENTS IN EARLY-TYPE GALAXIES	110
<i>A. Buzzoni, C. Battistini, L. Carrasco, & E. Recillas</i>	
AGN AND STARBURST IN BRIGHT SEYFERT GALAXIES: FROM IR PHO- TOMETRY TO IR SPECTROSCOPY	120
<i>L. Spinoglio, S. Tommasin, & M. A. Malkan</i>	
OPTICAL AND NEAR INFRARED STUDIES OF γ -RAY BRIGHT <i>WMAP</i> SOURCES	132
<i>A. Carramiñana & L. Carrasco</i>	
PHASE CLOSURE NULLING: THEORY AND PRACTICE	138
<i>A. Chelli, G. Duvert, F. Malbet, & P. Kern</i>	
 POSTER CONTRIBUTIONS 	
AGE-METALLICITY DEGENERACY AT MID-UV WAVELENGTHS	147
<i>E. Bertone, M. Chavez, & A. Buzzoni</i>	
¹² CO (1-0) AND (2-1) OBSERVATIONS OF ISOLATED EARLY-TYPE GALAXIES	150
<i>M. Chavez, W. Wall, A. Apponi, E. Brinks, & L. Ramírez-Garduño</i>	
BOLOMETRIC ARRAYS FOR MILLIMETER WAVELENGTHS	152
<i>E. Castillo, A. Serrano, & A. Torres-Jácome</i>	
A DESIGN OF AN ACOUSTO-OPTICAL SPECTROMETER	156
<i>G. Herrera-Martínez, A. Luna, L. Carrasco, A. Shcherbakov, D. Sánchez, E. Mendoza, & F. Renero</i>	
M33: THE EXISTENCE OF A BAR	160
<i>I. Hernández-López, E. Athanassoula, R. Mújica, & A. Bosma</i>	
THE METALLICITY OF THE MOST DISTANT QUASARS	163
<i>Y. Juárez, R. Maiolino, & R. Mújica</i>	

CONTENTS

EMBEDDED YOUNG STELLAR POPULATION IN THE GALACTIC MOLECULAR CLOUD ASSOCIATED WITH IRAS 18236-1205 <i>R. Retes, A. Luna, Y. D. Mayya, & L. Carrasco</i>	165
SEARCHING FOR COMPACT STAR CLUSTERS IN M81 USING HST/ACS IMAGES <i>M. Santiago-Cortés, Y. D. Mayya, & D. Rosa-González</i>	170
COSMIC RAY ELIMINATION USING THE WAVELET TRANSFORM <i>M. T. Orozco-Aguilera, J. Cruz, L. Altamirano, & A. Serrano</i>	175
MASS DUST EVOLUTION IN HIGH REDSHIFT QUASARS <i>Y. Juárez, R. Maiolino, & R. Mújica</i>	177
ACCURATE DIAMETER MEASUREMENT OF BETELGEUSE USING THE VLTI/AMBER INSTRUMENT <i>O. Hernandez Utrera & A. Chelli</i>	179
AUTHOR INDEX	181