

Contents

Foreword	iv
Organising Committees	v
Participants	vi
Conference Photograph	viii

Contributions

Determination of stellar atmospheric parameters for the X-Shooter Spectral Library	1
<i>A. Arentsen, S. C. Trager, M. Lyubenova, A. Gonneau, R. F. Peletier, A. Lançon, Y.-P. Chen, M. Dries, J. Falcón-Barroso, P. Prugniel, P. Sánchez-Blázquez, A. Vazdekis</i>	
The SpeX Prism Library Analysis Toolkit (SPLAT): A Data Curation Model	7
<i>A. J. Burgasser and the SPLAT Dev Team</i>	
Testing Evolutionary Population Synthesis models with Early Type Galaxies in the Near Infrared	13
<i>L. G. Dahmer-Hahn, A. Rodríguez-Ardila, R. Riffel, L. P. Martins, C. Kehrig, T. M. Heckman, M. G. Pastoriza, N. Z. Dametto</i>	
GOTHAM survey: Milky Way globular cluster chemical evolution based on full spectrum fitting	17
<i>B. Dias, B. Barbuy, I. Saviane, E. V. Held, G. S. Da Costa, S. Ortolani, M. Gullieuszik</i>	
Carbon stars in the X-Shooter Spectral Library	21
<i>A. Gonneau, A. Lançon, S. C. Trager, R. F. Peletier, M. Lyubenova, A. Arentsen, B. Aringer, Y.-P. Chen, O. S. Choudhury, M. Dries, J. Falcón-Barroso, P. Prugniel, S. Meneses-Goytia, W. Nowotny, P. Sánchez-Blázquez, A. Vazdekis, M. Koleva</i>	

Dictionaries as well as Libraries: Appreciating and respecting the need for clear descriptions	25
<i>E. Griffin</i>	
Classification of LAMOST DR3 FGK Spectra	31
<i>R. Gupta, H. P. Singh, Y. Wu</i>	
Gaia FGK benchmark stars: a bridge between spectroscopic surveys ...	37
<i>P. Jofré, U. Heiter, S. Buder</i>	
Stellar Libraries in the Ultraviolet	45
<i>C. Leitherer</i>	
The VLT/X-shooter spectral library of M subdwarfs	53
<i>N. Lodieu</i>	
Calibration of $(B-V)_0$ for MILES stars	57
<i>A. de C. Milone, P. Sánchez-Blázquez, A. Vazdekis, C. Allende Prieto, A. Sansom</i>	
Spectral Stellar Libraries at the Spanish Virtual Observatory	63
<i>C. Rodrigo, E. Solano, A. Bayo Arán</i>	
Estimating Stellar Atmospheric Parameters by Automated Methods Using SSLs	69
<i>K. Sharma, H. P. Singh, A. Kashyap, P. Prugniel</i>	
Massively Parallel Machine Learning in the Virtual Observatory as a Key Technology in the Era of Multi-Million Spectral Surveys	73
<i>P. Škoda</i>	
Stellar atmospheric parameters and the <i>Gaia</i> -ESO Survey experience with multiple analysis pipelines	83
<i>R. Smiljanic, A. J. Korn, A. R. Casey</i>	
Exploitation of the AMBRE Spectral Library with <i>Gaia</i> DR1	89
<i>C. C. Worley, P. de Laverny, A. Recio-Blanco, V. Hill</i>	

Data processing status of the LAMOST	93
<i>Y. Wu, Y. Zhao, J. Shi, A. Luo, H. Zhang, H. Yuan, J. Zhang, X. Kong, Z. Bai</i>	
SDSS-IV MaStar: a Large, Comprehensive, and High Quality Empirical Stellar Library	99
<i>R. Yan and MaStar Team</i>	
Author Index	104