

AUTHOR INDEX

- Acosta-Pulido, J.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Acosta-Pulido, J. A.** The mid-IR emission of Seyfert galaxies: Relevance for CANARICAM. *J. A. Acosta-Pulido, A. M. Pérez García, M. A. Prieto, J. M. Rodríguez-Espinosa, & L. M. Cairós.* 198
- ACS Science Team** The Advanced Camera for Surveys. *N. Benítez, H. Ford, G. Illingworth, M. Postman, T. Broadhurst, & the ACS Science Team.* 39
- Aguerri, J. A.** Spiral Galaxies: Requirements for accurate Photometric Bulge/Disk Decomposition. *M. Prieto, A. M. Varela, C. Muñoz-Tuñón, J. A. Aguerri, & E. Simonneau.* 306
- Aguerri, J. A. L.** Quantitative Morphological Analysis of Galaxies at Intermediate Red Shift: Clues to Galaxy Evolution. *I. Trujillo, C. M. Gutiérrez, J. A. L. Aguerri & J. Cepa.* 315
- Aguilar, M.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguilar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Alfaro Navarro, E.** AGN investigation in the OTELO survey. *M. Sánchez-Portal, J. Cepa Nogué, E. Alfaro Navarro, J. Gallego, J. I. González-Serrano, & J. González.* 309
- Alfaro, E.** Quasars in the OTELO survey. *J. I. González-Serrano, J. Cepa, J. Gallego, E. Alfaro, M. Sánchez-Portal, & J. J. González.* 279
- Alfaro, E. J.** Galactic Astronomy with OTELO. *E. J. Alfaro, J. Cepa, J. Gallego, J. González-Serrano, J. González, & M. Sánchez.* 255
- Alfaro, E. J.** OTELO: a proposal for a GTC Key Project. *J. Cepa, E. J. Alfaro, J. Bland-Hawthorn, H. O. Castañeda, J. Gallego, I. González-Serrano, J. J. González, & M. Sánchez-Portal.* 64
- Alonso-Herrero, A.** Follow-up Science of the SIRTf GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Alvarez, P.** The GTC: Status and Operation Plans. *J. M. Rodríguez Espinosa & P. Alvarez.* 1
- Andersen, M. I.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Aretxaga, I.** Cosmology and Structure Formation with the GTM and GTC. *E. Gaztañaga, D. Hughes, I. Aretxaga, & E. Chapin.* 52
- Aretxaga, I.** Determining the history of obscured star formation with the GTC and the GTM. *D. Hughes, E. Gaztañaga, I. Aretxaga, & E. Chapin.* 216
- Asensio Ramos, A.** Radiative Transfer tools for the GTC. *A. Asensio Ramos, J. Trujillo Bueno, & J. Cernicharo.* 162
- Balcell, M.** K_s number counts in the Groth and Coppi fields. *D. Cristóbal, M. Prieto, M. Balcells, R. Guzmán, N. Cardiel, Á. Serrano, J. Gallego, & R. Pelló.* 267
- Balcells, M.** EMIR science prospects. *M. Balcells.* 69
- Balcells, M.** Quantifying high z galaxy selection and visibility with the COSMOPACK tool. *M. Balcells, D. Cristóbal-Hornillos & C. Eliche-Moral.* 259
- Balcells, M.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Balogh, M. L.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Barcons, X.** X-ray surveys with XMM-Newton and Chandra. *F. J. Carrera & X. Barcons.* 237
- Barrado y Navascués, D.** Low Mass Stars and Brown Dwarfs in Open Clusters. *D. Barrado y Navascués.* 261
- Barreto, M.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43

- Beckman, J. E.** Emission line ratio mapping with OSIRIS. *J. E. Beckman, A. Zurita, M. Relaño, & A. Cardwell.* 121
- Beckman, J. E.** The diffuse ionized gas in galaxies. *M. Rozas, J. A. López, M. Richer, J. E. Beckman, & A. Zurita.* 308
- Beigbeder, F.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Frago, F. Gago, F. Beigbeder, V. Sánchez, S. Correa & A. Villegas.* 23
- Benítez, E.** High z Radio-Loud and Radio-Quiet QSO Environments. *J. A. de Diego, E. Benítez, & Y. Krongold.* 271
- Benítez, N.** Cosmology with the GTC: A combined mm-optical galaxy cluster survey. *J. M. Diego, E. Martínez-González, N. Benítez, J. L. Sanz, & J. Silk.* 233
- Benítez, N.** The Advanced Camera for Surveys. *N. Benítez, H. Ford, G. Illingworth, M. Postman, T. Broadhurst, & the ACS Science Team.* 39
- Berná, J. Á.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Bernardi, M.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Bernas, M.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Bershady, M. A.** Galaxy Formation and the GTC. *M. A. Bershady.* 203
- Bershady, M. A.** Spectroscopy of luminous blue compact galaxies at Intermediate Redshift. *C. Hoyos, R. Guzmán, A. I. Díaz, M. A. Bershady, & D. C. Koo.* 283
- Bland-Hawthorn, J.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Frago, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Bland-Hawthorn, J.** OTELO: a proposal for a GTC Key Project. *J. Cepa, E. J. Alfaro, J. Bland-Hawthorn, H. O. Castañeda, J. Gallego, I. González-Serrano, J. J. González, & M. Sánchez-Portal.* 64
- Bland-Hawthorn, J.** Science with Tunable Filters. *Author list for TOC.* 173
- Bland-Hawthorn, J.** Science with Tunable Filters. *J. Bland-Hawthorn.* 173
- Bland-Hawthorn, J.** Tomography of high redshift clusters with OSIRIS. *A. Fernández-Soto, J. Bland-Hawthorn, J. I. González-Serrano, & R. Carballo.* 241
- Bower, R. G.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Brandt, S.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Broadhurst, T.** The Advanced Camera for Surveys. *N. Benítez, H. Ford, G. Illingworth, M. Postman, T. Broadhurst, & the ACS Science Team.* 39
- Cairós, L. M.** The mid-IR emission of Seyfert galaxies: Relevance for CANARICAM. *J. A. Acosta-Pulido, A. M. Pérez García, M. A. Prieto, J. M. Rodríguez-Espinosa, & L. M. Cairós.* 198
- Carballo, R.** Tomography of high redshift clusters with OSIRIS. *A. Fernández-Soto, J. Bland-Hawthorn, J. I. González-Serrano, & R. Carballo.* 241
- Cardiel, N.** A New Approach in Data Reduction: Proper Handling of Random Errors and Image Distortions. *N. Cardiel, J. Gorgas, J. Gallego, Á. Serrano, J. Zamorano, M. L. García-Vargas, P. Gómez-Cambronero, & J. M. Filgueira.* 73
- Cardiel, N.** EMIR Data Reduction Pipeline. *J. Gallego, J. Zamorano, A. Serrano, N. Cardiel, J. Gorgas, C. E. García-Dabó, & A. Gil de Paz.* 275
- Cardiel, N.** Line Strength Mapping of the Stellar Populations within Elliptical Galaxies. *A. Vazdekis, J. J. González, L. Olguín, J. Gorgas, J. Cenarro, N. Cardiel, P. Sánchez-Blázquez, & S. Pedraz.* 103
- Cardiel, N.** The Nature of Dwarf Elliptical Galaxies: An Observing Project for OSIRIS. *J. Gorgas, S. Pedraz, J. J. González, A. Vazdekis, N. Cardiel, A. J. Cenarro, & P. Sánchez-Blázquez.* 108
- Cardiel, N.** K_s number counts in the Groth and Coppi fields. *D. Cristóbal, M. Prieto, M. Balcells, R. Guzmán, N. Cardiel, Á. Serrano, J. Gallego, & R. Pelló.* 267

- Cardiel, N.** A *K* band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Cardwell, A.** Emission line ratio mapping with OSIRIS. *J. E. Beckman, A. Zurita, M. Relaño, & A. Cardwell.* 121
- Carrera, F. J.** X-ray surveys with *XMM-Newton* and *Chandra*. *F. J. Carrera & X. Barcons.* 237
- Castañeda, H. O.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Frago, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Castañeda, H. O.** OTELO: a proposal for a GTC Key Project. *J. Cepa, E. J. Alfaro, J. Bland-Hawthorn, H. O. Castañeda, J. Gallego, I. González-Serrano, J. J. González, & M. Sánchez-Portal.* 64
- Castañeda, H. O.** The Science Program of OSIRIS. *H. O. Castañeda & J. Cepa.* 60
- Castander, F. J.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Castellanos, M.** Optical and near-IR spectroscopy of low excitation HII regions with the GTC. *E. Pérez-Montero, M. Castellanos, & A. I. Díaz.* 304
- Castellanos, M.** Spectrophotometry of massive star forming regions with the GTC. *M. Castellanos, A. I. Díaz, & E. Terlevich.* 131
- Castro Cerón, J. M.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Castro Cerón, J. M.** The study of gamma-ray bursts and their host galaxies in the GTC era. *A. J. Castro-Tirado, J. Gorosabel, & J. M. Castro Cerón.* 245
- Castro Cerón, J. M.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Castro-Tirado, A. J.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Castro-Tirado, A. J.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Castro-Tirado, A. J.** The study of gamma-ray bursts and their host galaxies in the GTC era. *A. J. Castro-Tirado, J. Gorosabel, & J. M. Castro Cerón.* 245
- Cavaller, L.** The Scientific capabilities of Elmer. *M. García Vargas, P. L. Hammersley, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, & M. Medina.* 9
- Cavaller, L.** The instrumental design of Elmer. *M. García Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega.* 319
- Cenarro, A. J.** The Nature of Dwarf Elliptical Galaxies: An Observing Project for OSIRIS. *J. Gorgas, S. Pedraz, J. J. González, A. Vazdekis, N. Cardiel, A. J. Cenarro, & P. Sánchez-Blázquez.* 108
- Cenarro, J.** Line Strength Mapping of the Stellar Populations within Elliptical Galaxies. *A. Vazdekis, J. J. González, L. Olguín, J. Gorgas, J. Cenarro, N. Cardiel, P. Sánchez-Blázquez, & S. Pedraz.* 103
- Cepa, J.** Galactic Astronomy with OTELO. *E. J. Alfaro, J. Cepa, J. Gallego, J. González-Serrano, J. González, & M. Sánchez.* 255
- Cepa, J.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Frago, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Cepa, J.** OTELO: a proposal for a GTC Key Project. *J. Cepa, E. J. Alfaro, J. Bland-Hawthorn, H. O. Castañeda, J. Gallego, I. González-Serrano, J. J. González, & M. Sánchez-Portal.* 64
- Cepa, J.** Quasars in the OTELO survey. *J. I. González-Serrano, J. Cepa, J. Gallego, E. Alfaro, M. Sánchez-Portal, & J. J. González.* 279
- Cepa, J.** The Science Program of OSIRIS. *H. O. Castañeda & J. Cepa.* 60
- Cepa, J.** Quantitative Morphological Analysis of Galaxies at Intermediate Red Shift: Clues to Galaxy Evolution. *I. Trujillo, C. M. Gutiérrez, J. A. L. Aguerri & J. Cepa.* 315
- Cepa Nogué, J.** AGN investigation in the OTELO survey. *M. Sánchez-Portal, J. Cepa Nogué, E. Alfaro Navarro, J. Gallego, J. I. González-Serrano, & J. González.* 309
- Cernicharo, J.** Radiative Transfer tools for the GTC. *A. Asensio Ramos, J. Trujillo Bueno, & J. Cernicharo.*

- Cerviño, M.** Statistics and multiwavelength synthesis models: towards a new generation of synthesis models. *M. Cerviño.* 263
- Chaplin, E.** Cosmology and Structure Formation with the GTM and GTC. *E. Gaztañaga, D. Hughes, I. Aretxaga, & E. Chapin.* 52
- Chaplin, E.** Determining the history of obscured star formation with the GTC and the GTM. *D. Hughes, E. Gaztañaga, I. Aretxaga, & E. Chapin.* 216
- Charles, P.** Fast Variability in Compact Binaries. *P. Charles.* 158
- Clowe, D. I.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Cobos, F.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Cohen, M.** A spectral atlas of Landolt stars for a reliable mid-IR spectrophotometric calibration for large telescopes. *F. Martín-Luis, M. R. Kidger, M. Cohen, & O. Suárez.* 296
- Connolly, A. J.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Contini, T.** Probing the chemical abundances in distant galaxies with 10 m class telescopes. *T. Contini.* 117
- Corral, L. J.** Luminous Blue Variables in the local universe. *L. J. Corral & A. Herrero.* 265
- Correa, S.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Correa, S.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Costero, R.** Doppler Tomography of Cataclysmic Variables: what can we do with the GTC? *J. Echevarría, R. Costero, L. Pineda, G. Tovmassian, S. Zharikov, & R. Michel.* 154
- Cristóbal, D.** K_s number counts in the Groth and Coppi fields. *D. Cristóbal, M. Prieto, M. Balcells, R. Guzmán, N. Cardiel, Á. Serrano, J. Gallego, & R. Pelló.* 267
- Cristóbal, D.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Cristóbal-Hornillos, D.** Quantifying high z galaxy selection and visibility with the COSMOPACK tool. *M. Balcells, D. Cristóbal-Hornillos & C. Eliche-Moral.* 259
- De Buizer, J. M.** Mid-Infrared Detection of a Hot Molecular Core in G29.96–0.02. *A. M. Watson, J. M. De Buizer, J. T. Radomski, R. K. Piña, & C. M. Telesco.* 127
- de Diego, J. A.** High z Radio-Loud and Radio-Quiet QSO Environments. *J. A. de Diego, E. Benítez, & Y. Krongold.* 271
- de Ugarte Postigo, A.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- del Olmo, A.** The Nature of the Compact Group HCG 54. *A. del Olmo, L. Verdes-Montenegro, J. Perea, J. Iglesias-Páramo, J. M. Vélchez, M. S. Yun, & W. Huchtmeier.* 269
- Delgado, J. M.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Díaz, A. I.** Optical and near-IR spectroscopy of low excitation H II regions with the GTC. *E. Pérez-Montero, M. Castellanos, & A. I. Díaz.* 304
- Díaz, A. I.** Spectrophotometry of massive star forming regions with the GTC. *M. Castellanos, A. I. Díaz, & E. Terlevich.* 131
- Díaz, A. I.** Spectroscopy of luminous blue compact galaxies at Intermediate Redshift. *C. Hoyos, R. Guzmán, A. I. Díaz, M. A. Bershadsky, & D. C. Koo.* 283
- Díaz, J. J.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Fragoso, F. Gago, F. Beigbeder, V. Sánchez, S. Correa & A. Villegas.* 23

- Diego, J. M.** Cosmology with the GTC: A combined mm-optical galaxy cluster survey. *J. M. Diego, E. Martínez-González, N. Benítez, J. L. Sanz, & J. Silk.* 233
- Dole, H.** Follow-up Science of the *SIRTF* GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Domínguez-Tagle, C.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Domínguez-Tenreiro, R.** Galaxy Assembly from Self-Consistent Hydrodynamical Simulations. *R. Domínguez-Tenreiro, A. Serna, & A. Sáiz.* 249
- Echevarría, J.** Doppler Tomography of Cataclysmic Variables: what can we do with the GTC? *J. Echevarría, R. Costero, L. Pineda, G. Tovmassian, S. Zharikov, & R. Michel.* 154
- Egami, E.** Follow-up Science of the *SIRTF* GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Eiroa, C.** A view of young circumstellar disks with the GTC. *C. Eiroa.* 81
- Eliche-Moral, C.** Quantifying high z galaxy selection and visibility with the COSMOPACK tool. *M. Balcells, D. Cristóbal-Hornillos & C. Eliche-Moral.* 259
- Elkin, V.** The need for very high resolution spectroscopy for the study of hot subdwarfs. *A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey.* 313
- Engelbracht, C.** Follow-up Science of the *SIRTF* GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Espejo, C.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Fernández, M.** Mass accretion onto low mass stars and the search for planets around young stars. *M. Fernández & R. Neuhauser.* 85
- Fernández-Soto, A.** Tomography of high redshift clusters with OSIRIS. *A. Fernández-Soto, J. Bland-Hawthorn, J. I. González-Serrano, & R. Carballo.* 241
- Ferriz-Mas, A.** The need for very high resolution spectroscopy for the study of hot subdwarfs. *A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey.* 313
- Filgueira, J. M.** A New Approach in Data Reduction: Proper Handling of Random Errors and Image Distortions. *N. Cardiel, J. Gorgas, J. Gallego, Á. Serrano, J. Zamorano, M. L. García-Vargas, P. Gómez-Cambronero, & J. M. Filgueira.* 73
- Ford, H.** The Advanced Camera for Surveys. *N. Benítez, H. Ford, G. Illingworth, M. Postman, T. Broadhurst, & the ACS Science Team.* 39
- Fragoso, A. B.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Fragoso, F. Gago, F. Beigbeder, V. Sánchez, S. Correa & A. Villegas.* 23
- Fragoso, A. B.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Fuentes, J.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Fragoso, F. Gago, F. Beigbeder, V. Sánchez, S. Correa & A. Villegas.* 23
- Fuentes, J.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Fynbo, J.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Gago, F.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Fragoso, F. Gago, F. Beigbeder, V. Sánchez, S. Correa & A. Villegas.* 23

- Gallart, C.** Studying old populations with RR Lyrae Variables in the Local Group. *C. Gallart, D. Martínez-Delgado, & Peter B. Stetson.* 273
- Gallego, J.** OTELO: a proposal for a GTC Key Project. *J. Cepa, E. J. Alfaro, J. Bland-Hawthorn, H. O. Castañeda, J. Gallego, I. González-Serrano, J. J. González, & M. Sánchez-Portal.* 64
- Gallego, J.** A New Approach in Data Reduction: Proper Handling of Random Errors and Image Distortions. *N. Cardiel, J. Gorgas, J. Gallego, Á. Serrano, J. Zamorano, M. L. García-Vargas, P. Gómez-Cambronero, & J. M. Filgueira.* 73
- Gallego, J.** AGN investigation in the OTELO survey. *M. Sánchez-Portal, J. Cepa Nogué, E. Alfaro Navarro, J. Gallego, J. I. González-Serrano, & J. González.* 309
- Gallego, J.** EMIR Data Reduction Pipeline. *J. Gallego, J. Zamorano, A. Serrano, N. Cardiel, J. Gorgas, C. E. García-Dabó, & A. Gil de Paz.* 275
- Gallego, J.** Galactic Astronomy with OTELO. *E. J. Alfaro, J. Cepa, J. Gallego, J. González-Serrano, J. González, & M. Sánchez.* 255
- Gallego, J.** Galaxy evolution studies observing Emission Line Galaxies with the GTC. *J. Gallego.* 221
- Gallego, J.** Quasars in the OTELO survey. *J. I. González-Serrano, J. Cepa, J. Gallego, E. Alfaro, M. Sánchez-Portal, & J. J. González.* 279
- Gallego, J.** K_s number counts in the Groth and Coppi fields. *D. Cristóbal, M. Prieto, M. Balcells, R. Guzmán, N. Cardiel, Á. Serrano, J. Gallego, & R. Pelló.* 267
- Gallego, J.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- García-Dabó, C. E.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- García-Dabó, C. E.** EMIR Data Reduction Pipeline. *J. Gallego, J. Zamorano, A. Serrano, N. Cardiel, J. Gorgas, C. E. García-Dabó, & A. Gil de Paz.* 275
- García-Lario, P.** The transition phase from AGB stars to PNe as seen by CanariCam. *J. V. Perea Calderón & P. García-Lario.* 302
- García Vargas, M.** The Scientific capabilities of Elmer. *M. García Vargas, P. L. Hammersley, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, & M. Medina.* 9
- García Vargas, M.** The instrumental design of Elmer. *M. García Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega.* 319
- García-Vargas, M. L.** A New Approach in Data Reduction: Proper Handling of Random Errors and Image Distortions. *N. Cardiel, J. Gorgas, J. Gallego, Á. Serrano, J. Zamorano, M. L. García-Vargas, P. Gómez-Cambronero, & J. M. Filgueira.* 73
- Garzón, F.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Frago, F. Gago, F. Beigbeder, V. Sánchez, S. Correa & A. Villegas.* 23
- Garzón, F.** Preface. *J. M. Rodríguez Espinosa, F. Garzón, & V. Melo Martín.* xi
- Gaztañaga, E.** Cosmology and Structure Formation with the GTM and GTC. *E. Gaztañaga, D. Hughes, I. Aretxaga, & E. Chapin.* 52
- Gaztañaga, E.** Determining the history of obscured star formation with the GTC and the GTM. *D. Hughes, E. Gaztañaga, I. Aretxaga, & E. Chapin.* 216
- Gigante, J. V.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Frago, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Gil de Paz, A.** EMIR Data Reduction Pipeline. *J. Gallego, J. Zamorano, A. Serrano, N. Cardiel, J. Gorgas, C. E. García-Dabó, & A. Gil de Paz.* 275
- Gilbank, D. G.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Goicoechea, L. J.** Extragalactic gravitational lenses with the GTC. *A. Ullán & L. J. Goicoechea.* 317
- Gómez, P. L.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Gómez-Cambronero, P.** A New Approach in Data Reduction: Proper Handling of Random Errors and Image Distortions. *N. Cardiel, J. Gorgas, J. Gallego, Á. Serrano, J. Zamorano, M. L. García-Vargas, P. Gómez-Cambronero, & J. M. Filgueira.* 73
- González, J.** AGN investigation in the OTELO survey. *M. Sánchez-Portal, J. Cepa Nogué, E. Alfaro Navarro, J. Gallego, J. I. González-Serrano, & J. González.* 309
- González, J.** Galactic Astronomy with OTELO. *E. J. Alfaro, J. Cepa, J. Gallego, J. González-Serrano,*

- J. González, & M. Sánchez.* 255
- González, J. J.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- González, J. J.** OTELO: a proposal for a GTC Key Project. *J. Cepa, E. J. Alfaro, J. Bland-Hawthorn, H. O. Castañeda, J. Gallego, I. González-Serrano, J. J. González, & M. Sánchez-Portal.* 64
- González, J. J.** Quasars in the OTELO survey. *J. I. González-Serrano, J. Cepa, J. Gallego, E. Alfaro, M. Sánchez-Portal, & J. J. González.* 279
- González, J. J.** Line Strength Mapping of the Stellar Populations within Elliptical Galaxies. *A. Vazdekis, J. J. González, L. Olguín, J. Gorgas, J. Cenarro, N. Cardiel, P. Sánchez-Blázquez, & S. Pedraz.* 103
- González, J. J.** The Nature of Dwarf Elliptical Galaxies: An Observing Project for OSIRIS. *J. Gorgas, S. Pedraz, J. J. González, A. Vazdekis, N. Cardiel, A. J. Cenarro, & P. Sánchez-Blázquez.* 108
- González L., R. A.** Near-Infrared Surface Brightness Fluctuations as Diagnostics of Unresolved Stellar Populations. *R. A. González L. & M. C. Liu.* 277
- González Delgado, R. M.** The Starburst-AGN connection in the era of the GTC. *R. M. González Delgado.* 189
- González-Escalera, V.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- González-Serrano, I.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- González-Serrano, I.** OTELO: a proposal for a GTC Key Project. *J. Cepa, E. J. Alfaro, J. Bland-Hawthorn, H. O. Castañeda, J. Gallego, I. González-Serrano, J. J. González, & M. Sánchez-Portal.* 64
- González-Serrano, J.** Galactic Astronomy with OTELO. *E. J. Alfaro, J. Cepa, J. Gallego, J. González-Serrano, J. González, & M. Sánchez.* 255
- González-Serrano, J. I.** AGN investigation in the OTELO survey. *M. Sánchez-Portal, J. Cepa Nogué, E. Alfaro Navarro, J. Gallego, J. I. González-Serrano, & J. González.* 309
- González-Serrano, J. I.** Quasars in the OTELO survey. *J. I. González-Serrano, J. Cepa, J. Gallego, E. Alfaro, M. Sánchez-Portal, & J. J. González.* 279
- González-Serrano, J. I.** Tomography of high redshift clusters with OSIRIS. *A. Fernández-Soto, J. Bland-Hawthorn, J. I. González-Serrano, & R. Carballo.* 241
- Gordon, K.** Follow-up Science of the SIRTf GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Gorgas, J.** A New Approach in Data Reduction: Proper Handling of Random Errors and Image Distortions. *N. Cardiel, J. Gorgas, J. Gallego, Á. Serrano, J. Zamorano, M. L. García-Vargas, P. Gómez-Cambronero, & J. M. Filgueira.* 73
- Gorgas, J.** EMIR Data Reduction Pipeline. *J. Gallego, J. Zamorano, A. Serrano, N. Cardiel, J. Gorgas, C. E. García-Dabó, & A. Gil de Paz.* 275
- Gorgas, J.** Line Strength Mapping of the Stellar Populations within Elliptical Galaxies. *A. Vazdekis, J. J. González, L. Olguín, J. Gorgas, J. Cenarro, N. Cardiel, P. Sánchez-Blázquez, & S. Pedraz.* 103
- Gorgas, J.** The Nature of Dwarf Elliptical Galaxies: An Observing Project for OSIRIS. *J. Gorgas, S. Pedraz, J. J. González, A. Vazdekis, N. Cardiel, A. J. Cenarro, & P. Sánchez-Blázquez.* 108
- Gorgas, J.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Gorosabel, J.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Gorosabel, J.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Gorosabel, J.** The study of gamma-ray bursts and their host galaxies in the GTC era. *A. J. Castro-Tirado, J. Gorosabel, & J. M. Castro Cerón.* 245
- Gutiérrez, Carlos M.** Quantitative Morphological Analysis of Galaxies at Intermediate Red Shift: Clues to Galaxy Evolution. *I. Trujillo, C. M. Gutiérrez, J. A. L. Aguerri & J. Cepa.* 315
- Guzmán, R.** Spectroscopy of luminous blue compact galaxies at Intermediate Redshift. *C. Hoyos, R. Guzmán, A. I. Díaz, M. A. Bershadý, & D. C. Koo.* 283

- Guzmán, R.** K_s number counts in the Groth and Coppi fields. *D. Cristóbal, M. Prieto, M. Balcells, R. Guzmán, N. Cardiel, Á. Serrano, J. Gallego, & R. Pelló.* 267
- Guzmán, R.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Guzmán, R.** COSMOS: A Comprehensive Study of Galaxies at High Redshift with EMIR on the GTC. *R. Guzmán.* 209
- Hammersley, P. L.** Commissioning plans for the GTC. *P. L. Hammersley & J. M. Rodríguez-Espinosa.* 57
- Hammersley, P. L.** The Scientific capabilities of Elmer. *M. García Vargas, P. L. Hammersley, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, & M. Medina.* 9
- Hammersley, P. L.** The instrumental design of Elmer. *M. García Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega.* 319
- Hardy, E.** Constraining the evolutionary histories of spiral disks. *M. Mollá & E. Hardy.* 300
- Hernández, E.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Herrero, A.** Luminous Blue Variables in the local universe. *L. J. Corral & A. Herrero.* 265
- Hines, D.** Follow-up Science of the *SIRTF* GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Hjorth, J.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Hopkins, A. M.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Hoyos, C.** Spectroscopy of luminous blue compact galaxies at Intermediate Redshift. *C. Hoyos, R. Guzmán, A. I. Díaz, M. A. Bershadsky, & D. C. Koo.* 283
- Huchtmeier, W.** The Nature of the Compact Group HCG 54. *A. del Olmo, L. Verdes-Montenegro, J. Perea, J. Iglesias-Páramo, J. M. Vílchez, M. S. Yun, & W. Huchtmeier.* 269
- Hudec, R.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Hughes, D.** Cosmology and Structure Formation with the GTM and GTC. *E. Gaztañaga, D. Hughes, I. Aretxaga, & E. Chapin.* 52
- Hughes, D.** Determining the history of obscured star formation with the GTC and the GTM. *D. Hughes, E. Gaztañaga, I. Aretxaga, & E. Chapin.* 216
- Iglesias-Páramo, J.** The Nature of the Compact Group HCG 54. *A. del Olmo, L. Verdes-Montenegro, J. Perea, J. Iglesias-Páramo, J. M. Vílchez, M. S. Yun, & W. Huchtmeier.* 269
- Iglesias-Páramo, J.** The Impact of Starbursts in the Halos of Blue Compact Dwarf Galaxies (A Proposal for OSIRIS). *J. Iglesias-Páramo & C. Muñoz-Tuñón.* 285
- Illingworth, G.** The Advanced Camera for Surveys. *N. Benítez, H. Ford, G. Illingworth, M. Postman, T. Broadhurst, & the ACS Science Team.* 39
- Jelínek, M.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Jordi, C.** A project to determine an accurate distance to M31 using eclipsing binaries as standard candles. *I. Ribas & C. Jordi.* 150
- Joven, E.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Kidger, M. R.** A spectral atlas of Landolt stars for a reliable mid-IR spectrophotometric calibration for large telescopes. *F. Martín-Luis, M. R. Kidger, M. Cohen, & O. Suárez.* 296
- Kidger, M. R.** Exploitation of CanariCam: Opening new windows for spanish astrophysics. *M. R. Kidger.* 46
- Kidger, M. R.** Polarimetric calibration for large telescopes. *F. Martín-Luis and M. R. Kidger.* 294
- Kohley, R.** The Scientific capabilities of Elmer. *M. García Vargas, P. L. Hammersley, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, & M. Medina.* 9

- Kohley, R.** The instrumental design of Elmer.
M. Garcia Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega. 319
- Kolokolova, L.** Integrated Study of the Physical Characteristics of Primitive Solar System Bodies.
L. Kolokolova, B. Å. S. Gustafson, L. M. Lara, J. Licandro, & G. P. Tozzi. 94
- Koo, D. C.** Spectroscopy of luminous blue compact galaxies at Intermediate Redshift. *C. Hoyos, R. Guzmán, A. I. Díaz, M. A. Bershadsky, & D. C. Koo.* 283
- Krongold, Y.** High z Radio-Loud and Radio-Quiet QSO Environments. *J. A. de Diego, E. Benítez, & Y. Krongold.* 271
- Liu, M. C.** Near-Infrared Surface Brightness Fluctuations as Diagnostics of Unresolved Stellar Populations. *R. A. González L. & M. C. Liu.* 277
- Loinard, L.** From dust to gas ... and the infrared to the millimetric: Doubly deuterated molecules in protostars. *L. Loinard.* 289
- López, J. A.** The diffuse ionized gas in galaxies.
M. Rozas, J. A. López, M. Richer, J. E. Beckman, & A. Zurita. 308
- López, J. A.** The nature of the very extended emission line regions associated with active galactic nuclei.
J. A. López, M. Rozas, & M. Richer. 291
- López, J. C.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Frago, F. Gago, F. Beigbeder, V. Sánchez, S. Correa & A. Villegas.* 23
- López, J. C.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Frago, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- López, R.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Lund, N.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Lutz, D.** Mid-Infrared Observations of Galaxies.
D. Lutz. 167
- MacDonald, J.** The need for very high resolution spectroscopy for the study of hot subdwarfs.
A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey. 313
- Manchado, A.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status.
A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi. 43
- Manchado, A.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status.
Manchado et al. 43
- Manescau, A.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Frago, F. Gago, F. Beigbeder, V. Sánchez, S. Correa & A. Villegas.* 23
- Manescau, A.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status.
A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi. 43
- Manteiga, M.** The need for very high resolution spectroscopy for the study of hot subdwarfs.
A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey. 313
- Márquez, I.** Adaptive Optics imaging of Quasar Hosts. *I. Márquez & P. Petitjean.* 135
- Márquez, I.** ULIRGs: Origin and Evolution.
I. Márquez & J. Masegosa. 292
- Martín, E. L.** Performance of Adaptive Optics in Ground-Based Very Large Telescopes: Applications to Brown Dwarf Research. *E. L. Martín.* 92
- Martínez-Delgado, D.** Studying old populations with RR Lyrae Variables in the Local Group.
C. Gallart, D. Martínez-Delgado, & Peter B. Stetson. 273
- Martínez-González, E.** Cosmology with the GTC: A combined mm-optical galaxy cluster survey.
J. M. Diego, E. Martínez-González, N. Benítez, J. L. Sanz, & J. Silk. 233
- Martín-Fleitas, J.** The Scientific capabilities of Elmer. *M. García Vargas, P. L. Hammersley, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, & M. Medina.* 9
- Martín-Fleitas, J.** The instrumental design of Elmer.
M. García Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega. 319
- Martín-Luis, F.** A spectral atlas of Landolt stars for a reliable mid-IR spectrophotometric calibration for large telescopes. *F. Martín-Luis, M. R. Kidger, M. Cohen, & O. Suárez.* 296

- Martín-Luis, F.** Polarimetric calibration for large telescopes. *F. Martín-Luis and M. R. Kidger.* 294
- Martínez Núñez, S.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Más-Hesse, J. M.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Masegosa, J.** ULIRGs: Origin and Evolution. *I. Márquez & J. Masegosa.* 292
- Mateo Sanguino, T. J.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Medina, M.** The Scientific capabilities of Elmer. *M. García Vargas, P. L. Hammersley, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, & M. Medina.* 9
- Medina, M.** The instrumental design of Elmer. *M. García Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega.* 319
- Melnick, J.** Probing Cosmological Parameters with H II Galaxies and the new generation telescopes. *E. Terlevich, R. Terlevich, & J. Melnick.* 213
- Melo, V.** The detection of supergalactic winds: The edge-on starburst galaxy NGC 4631. *V. Melo, C. Muñoz-Tuñón, E. Recillas, G. Tenorio-Tagle, & J. M. Rodríguez-Espinosa.* 298
- Melo Martín, V.** Preface. *J. M. Rodríguez Espinosa, F. Garzón, & V. Melo Martín.* xi
- Michel, R.** Doppler Tomography of Cataclysmic Variables: what can we do with the GTC? *J. Echevarría, R. Costero, L. Pineda, G. Tovmassian, S. Zharikov, & R. Michel.* 154
- Militello, C.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Miller, C. J.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connelly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Misselt, K.** Follow-up Science of the *SIRTF* GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Mollá, M.** Constraining the evolutionary histories of spiral disks. *M. Mollá & E. Hardy.* 300
- Monnet, G.** Paranal Observatory Instrumentation: current status. *G. Monnet & A. Prieto.* 33
- Moreno, H.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Muñoz-Tuñón, A. M.** Spiral Galaxies: Requirements for accurate Photometric Bulge/Disk Decomposition. *M. Prieto, A. M. Varela, C. Muñoz-Tuñón, J. A. Aguerri, & E. Simonneau.* 306
- Muñoz-Tuñón, C.** The detection of supergalactic winds: The edge-on starburst galaxy NGC 4631. *V. Melo, C. Muñoz-Tuñón, E. Recillas, G. Tenorio-Tagle, & J. M. Rodríguez-Espinosa.* 298
- Muñoz-Tuñón, C.** The Impact of Starbursts in the Halos of Blue Compact Dwarf Galaxies (A Proposal for OSIRIS). *J. Iglesias-Páramo & C. Muñoz-Tuñón.* 285
- Neuhäuser, R.** Mass accretion onto low mass stars and the search for planets around young stars. *M. Fernández & R. Neuhäuser.* 85
- Nichol, R. C.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connelly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Olguín, L.** Line Strength Mapping of the Stellar Populations within Elliptical Galaxies. *A. Vazdekis, J. J. González, L. Olguín, J. Gorgas, J. Cenarro, N. Cardiel, P. Sánchez-Blázquez, & S. Pedraz.* 103
- Oreiro Rey, R.** The need for very high resolution spectroscopy for the study of hot subdwarfs. *A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey.* 313
- Papovich, C.** Follow-up Science of the *SIRTF* GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257

- Páta, P.** The BOOTES experiment in support of the Gran Telescopio Canarias (GTC) in the study of the high energy Universe. *J. M. Castro Cerón, A. de Ugarte Postigo, C. E. García-Dabó, T. J. Mateo Sanguino, P. Páta, M. Bernas, M. Jelínek, R. Hudec, J. Á. Berná, J. Gorosabel, J. M. Más-Hesse, & A. J. Castro-Tirado.* 77
- Patrón, J.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Frago, F. Gago, F. Beigbender, V. Sánchez, S. Correa & A. Villegas.* 23
- Pedraz, S.** Line Strength Mapping of the Stellar Populations within Elliptical Galaxies. *A. Vazdekis, J. J. González, L. Olguín, J. Gorgas, J. Cenarro, N. Cardiel, P. Sánchez-Blázquez, & S. Pedraz.* 103
- Pedraz, S.** The Nature of Dwarf Elliptical Galaxies: An Observing Project for OSIRIS. *J. Gorgas, S. Pedraz, J. J. González, A. Vazdekis, N. Cardiel, A. J. Cenarro, & P. Sánchez-Blázquez.* 108
- Peimbert, A.** Chemical Abundances of Extragalactic H II regions. *M. Peimbert & A. Peimbert.* 113
- Peimbert, M.** Chemical Abundances of Extragalactic H II regions. *M. Peimbert & A. Peimbert.* 113
- Pelló, R.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Frago, F. Gago, F. Beigbender, V. Sánchez, S. Correa & A. Villegas.* 23
- Pelló, R.** K_s number counts in the Groth and Coppi fields. *D. Cristóbal, M. Prieto, M. Balcells, R. Guzmán, N. Cardiel, Á. Serrano, J. Gallego, & R. Pelló.* 267
- Pelló, R.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Pello, R.** Looking for the First Galaxies with GTC + EMIR. *R. Pello & D. Schaerer.* 225
- Peraza, L.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Frago, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Perea, J.** The Nature of the Compact Group HCG 54. *A. del Olmo, L. Verdes-Montenegro, J. Perea, J. Iglesias-Páramo, J. M. Vílchez, M. S. Yun, & W. Huchtmeier.* 269
- Perea Calderón, J. V.** The transition phase from AGB stars to PNe as seen by CanariCam. *J. V. Perea Calderón & P. García-Lario.* 302
- Pérez, A.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Frago, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Pérez, J.** EMIR: a Near-Infrared Multiobject Spectrograph for the GTC. *F. Garzón, F. J. Fuentes, A. Manescau, J. J. Díaz, J. Patrón, R. Pelló, J. C. López, J. Pérez, A. B. Frago, F. Gago, F. Beigbender, V. Sánchez, S. Correa & A. Villegas.* 23
- Pérez, J.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Frago, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Pérez García, A. M.** The mid-IR emission of Seyfert galaxies: Relevance for CANARICAM. *J. A. Acosta-Pulido, A. M. Pérez García, M. A. Prieto, J. M. Rodríguez-Espinosa, & L. M. Cairós.* 198
- Pérez Hernández, F.** The need for very high resolution spectroscopy for the study of hot subdwarfs. *A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey.* 313
- Pérez-Montero, E.** Optical and near-IR spectroscopy of low excitation H II regions with the GTC. *E. Pérez-Montero, M. Castellanos, & A. I. Díaz.* 304
- Petitjean, P.** Adaptive Optics imaging of Quasar Hosts. *I. Márquez & P. Petitjean.* 135
- Piña, R. K.** Mid-Infrared Detection of a Hot Molecular Core in G29.96–0.02. *A. M. Watson, J. M. De Buizer, J. T. Radomski, R. K. Piña, & C. M. Telesco.* 127
- Pineda, L.** Doppler Tomography of Cataclysmic Variables: what can we do with the GTC? *J. Echevarría, R. Costero, L. Pineda, G. Tovmassian, S. Zharikov, & R. Michel.* 154
- Postman, M.** The Advanced Camera for Surveys. *N. Benítez, H. Ford, G. Illingworth, M. Postman, T. Broadhurst, & the ACS Science Team.* 39
- Prada, F.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Prieto, A.** Paranal Observatory Instrumentation: current status. *G. Monnet & A. Prieto.* 33
- Prieto, M.** Spiral Galaxies: Requirements for accurate Photometric Bulge/Disk Decomposition. *M. Prieto, A. M. Varela, C. Muñoz-Tuñón, J. A. Aguerri, & E. Simonneau.* 306

- Prieto, M.** K_s number counts in the Groth and Coppi fields. *D. Cristóbal, M. Prieto, M. Balcells, R. Guzmán, N. Cardiel, Á. Serrano, J. Gallego, & R. Pelló.* 267
- Prieto, M.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Prieto, M. A.** The mid-IR emission of Seyfert galaxies: Relevance for CANARICAM. *J. A. Acosta-Pulido, A. M. Pérez García, M. A. Prieto, J. M. Rodríguez-Espinosa, & L. M. Cairós.* 198
- Radomski, J. T.** Mid-Infrared Detection of a Hot Molecular Core in G29.96–0.02. *A. M. Watson, J. M. De Buizer, J. T. Radomski, R. K. Piña, & C. M. Telesco.* 127
- Rasilla, J. L.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Rebolo, R.** Detection of giant planets with the GTC. *R. Rebolo.* 89
- Recillas, E.** The detection of supergalactic winds: The edge-on starburst galaxy NGC 4631. *V. Melo, C. Muñoz-Tuñón, E. Recillas, G. Tenorio-Tagle, & J. M. Rodríguez-Espinosa.* 298
- Redondo, P.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Relaño, M.** Emission line ratio mapping with OSIRIS. *J. E. Beckman, A. Zurita, M. Relaño, & A. Cardwell.* 121
- Ribas, I.** A project to determine an accurate distance to M31 using eclipsing binaries as standard candles. *I. Ribas & C. Jordi.* 150
- Richer, M.** The diffuse ionized gas in galaxies. *M. Rozas, J. A. López, M. Richer, J. E. Beckman, & A. Zurita.* 308
- Richer, M.** The nature of the very extended emission line regions associated with active galactic nuclei. *J. A. López, M. Rozas, & M. Richer.* 291
- Rieke, G. H.** Follow-up Science of the *SIRTF* GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Rieke, M. J.** Follow-up Science of the *SIRTF* GTO Cosmological Survey Program with the GTC. *A. Alonso-Herrero, G. H. Rieke, H. Dole, D. Hines, M. J. Rieke, E. Egami, C. Papovich, K. Gordon, K. Misselt, & C. Engelbracht.* 257
- Rodríguez Espinosa, J. M.** Preface. *J. M. Rodríguez Espinosa, F. Garzón, & V. Melo Martín.* xi
- Rodríguez Espinosa, J. M.** The GTC: Status and Operation Plans. *J. M. Rodríguez Espinosa & P. Alvarez.* 1
- Rodríguez-Espinosa, J. M.** Commissioning plans for the GTC. *P. L. Hammersley & J. M. Rodríguez-Espinosa.* 57
- Rodríguez-Espinosa, J. M.** The detection of supergalactic winds: The edge-on starburst galaxy NGC 4631. *V. Melo, C. Muñoz-Tuñón, E. Recillas, G. Tenorio-Tagle, & J. M. Rodríguez-Espinosa.* 298
- Rodríguez-Espinosa, J. M.** The mid-IR emission of Seyfert galaxies: Relevance for CANARICAM. *J. A. Acosta-Pulido, A. M. Pérez García, M. A. Prieto, J. M. Rodríguez-Espinosa, & L. M. Cairós.* 198
- Ronquillo, B.** The instrumental design of Elmer. *M. Garcia Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega.* 319
- Rosich, J.** The instrumental design of Elmer. *M. Garcia Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega.* 319
- Rozas, M.** The diffuse ionized gas in galaxies. *M. Rozas, J. A. López, M. Richer, J. E. Beckman, & A. Zurita.* 308
- Rozas, M.** The nature of the very extended emission line regions associated with active galactic nuclei. *J. A. López, M. Rozas, & M. Richer.* 291
- Saffer, R. A.** The need for very high resolution spectroscopy for the study of hot subdwarfs. *A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey.* 313
- Sáiz, A.** Galaxy Assembly from Self-Consistent Hydrodynamical Simulations. *R. Domínguez-Tenreiro, A. Serna, & A. Sáiz.* 249
- Sánchez, B.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Sánchez, F.** Foreword. *Francisco Sánchez.* ix
- Sánchez, M.** Galactic Astronomy with OTELO. *E. J. Alfaro, J. Cepa, J. Gallego, J. González-Serrano, J. González, & M. Sánchez.* 255
- Sánchez, V.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado,*

- E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43
- Sánchez-Blanco, E.** The Scientific capabilities of Elmer. *M. García Vargas, P. L. Hammersley, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, & M. Medina.* 9
- Sánchez-Blanco, M.** The instrumental design of Elmer. *M. García Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega.* 319
- Sánchez-Blázquez, P.** Line Strength Mapping of the Stellar Populations within Elliptical Galaxies. *A. Vazdekis, J. J. González, L. Olguín, J. Gorgas, J. Cenarro, N. Cardiel, P. Sánchez-Blázquez, & S. Pedraz.* 103
- Sánchez-Blázquez, P.** The Nature of Dwarf Elliptical Galaxies: An Observing Project for OSIRIS. *J. Gorgas, S. Pedraz, J. J. González, A. Vazdekis, N. Cardiel, A. J. Cenarro, & P. Sánchez-Blázquez.* 108
- Sánchez-Lavega, A.** Studies of Atmospheric Phenomena in the Giant Planets with Grantecan. *A. Sánchez-Lavega.* 98
- Sánchez-Portal, M.** AGN investigation in the OTELO survey. *M. Sánchez-Portal, J. Cepa Nogué, E. Alfaro Navarro, J. Gallego, J. I. González-Serrano, & J. González.* 309
- Sánchez-Portal, M.** OTELO: a proposal for a GTC Key Project. *J. Cepa, E. J. Alfaro, J. Bland-Hawthorn, H. O. Castañeda, J. Gallego, I. González-Serrano, J. J. González, & M. Sánchez-Portal.* 64
- Sánchez-Portal, M.** Quasars in the OTELO survey. *J. I. González-Serrano, J. Cepa, J. Gallego, E. Alfaro, M. Sánchez-Portal, & J. J. González.* 279
- Sanz, J. L.** Cosmology with the GTC: A combined mm-optical galaxy cluster survey. *J. M. Diego, E. Martínez-González, N. Benítez, J. L. Sanz, & J. Silk.* 233
- Sarajedini, V. L.** The Nature of Low Luminosity Active Galaxies at $z \sim 1$. *V. L. Sarajedini.* 194
- Schaerer, D.** Looking for the First Galaxies with GTC + EMIR. *R. Pello & D. Schaerer.* 225
- Schneider, D. P.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Serna, A.** Galaxy Assembly from Self-Consistent Hydrodynamical Simulations. *R. Domínguez-Tenreiro, A. Serna, & A. Sáiz.* 249
- Serrano, Á.** K_s number counts in the Groth and Coppi fields. *D. Cristóbal, M. Prieto, M. Balcells, R. Guzmán, N. Cardiel, Á. Serrano, J. Gallego, & R. Pelló.* 267
- Serrano, A.** EMIR Data Reduction Pipeline. *J. Gallego, J. Zamorano, A. Serrano, N. Cardiel, J. Gorgas, C. E. García-Dabó, & A. Gil de Paz.* 275
- Serrano, A.** A New Approach in Data Reduction: Proper Handling of Random Errors and Image Distortions. *N. Cardiel, J. Gorgas, J. Gallego, Á. Serrano, J. Zamorano, M. L. García-Vargas, P. Gómez-Cambronero, & J. M. Filgueira.* 73
- Serrano, A.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Seth, R.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Silk, J.** Cosmology with the GTC: A combined mm-optical galaxy cluster survey. *J. M. Diego, E. Martínez-González, N. Benítez, J. L. Sanz, & J. Silk.* 233
- Simonneau, E.** Spiral Galaxies: Requirements for accurate Photometric Bulge/Disk Decomposition. *M. Prieto, A. M. Varela, C. Muñoz-Tuñón, J. A. Aguerri, & E. Simonneau.* 306
- Smartt, S. J.** Stellar astrophysics in the Local Group and beyond with the GTC. *S. J. Smartt.* 145
- Stetson, P. B.** Studying old populations with RR Lyrae Variables in the Local Group. *C. Gallart, D. Martínez-Delgado, & Peter B. Stetson.* 273
- Suárez, O.** A spectral atlas of Landolt stars for a reliable mid-IR spectrophotometric calibration for large telescopes. *F. Martín-Luis, M. R. Kidger, M. Cohen, & O. Suárez.* 296
- Tejada, C.** OSIRIS tunable imager and spectrograph: Instrument status. *J. Cepa, M. Aguiar, J. Bland-Hawthorn, H. Castañeda, F. Cobos, S. Correa, C. Espejo, A. B. Fragoso, J. Fuentes, J. V. Gigante, J. González, V. González-Escalera, J. I. González-Serrano, E. Joven, J. C. López, C. Militello, L. Peraza, A. Pérez, J. Pérez, J. L. Rasilla, B. Sánchez, & C. Tejada.* 13
- Telesco, C. M.** CanariCam: The GTC's Multimode Mid-Infrared Camera for Day One. *C. Telesco.* 19
- Telesco, C. M.** Mid-Infrared Detection of a Hot Molecular Core in G29.96-0.02. *A. M. Watson, J. M. De Buizer, J. T. Radomski, R. K. Piña, & C. M. Telesco.* 127
- Tenegi, F.** LIRIS (Long-slit Intermediate Resolution Infrared Spectrograph) Project status. *A. Manchado, M. Barreto, J. Acosta-Pulido, F. Prada, C. Domínguez-Tagle, S. Correa, J. M. Delgado, E. Hernández, R. López, A. Manescau, H. Moreno, P. Redondo, V. Sánchez, & F. Tenegi.* 43

- Tenorio-Tagle, G.** The detection of supergalactic winds: The edge-on starburst galaxy NGC 4631. *V. Melo, C. Muñoz-Tuñón, E. Recillas, G. Tenorio-Tagle, & J. M. Rodríguez-Espinosa.* 298
- Terlevich, E.** Probing Cosmological Parameters with H II Galaxies and the new generation telescopes. *E. Terlevich, R. Terlevich, & J. Melnick.* 213
- Terlevich, E.** Spectrophotometry of massive star forming regions with the GTC. *M. Castellanos, A. I. Díaz, & E. Terlevich.* 131
- Terlevich, R.** Probing Cosmological Parameters with H II Galaxies and the new generation telescopes. *E. Terlevich, R. Terlevich, & J. Melnick.* 213
- Thejll, P.** The need for very high resolution spectroscopy for the study of hot subdwarfs. *A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey.* 313
- Tovmassian, G.** Doppler Tomography of Cataclysmic Variables: what can we do with the GTC? *J. Echevarría, R. Costero, L. Pineda, G. Tovmassian, S. Zharikov, & R. Michel.* 154
- Trujillo Bueno, J.** Radiative Transfer tools for the GTC. *A. Asensio Ramos, J. Trujillo Bueno, & J. Cernicharo.* 162
- Trujillo, I.** Quantitative Morphological Analysis of Galaxies at Intermediate Red Shift: Clues to Galaxy Evolution. *I. Trujillo, C. M. Gutiérrez, J. A. L. Aguerri & J. Cepa.* 315
- Ulla, A.** The need for very high resolution spectroscopy for the study of hot subdwarfs. *A. Ulla, M. Manteiga, P. Thejll, R. A. Saffer, F. Pérez Hernández, J. MacDonald, A. Ferriz-Mas, V. Elkin, & R. Oreiro Rey.* 313
- Ullán, A.** Extragalactic gravitational lenses with the GTC. *A. Ullán & L. J. Goicoechea.* 317
- Varela, A. M.** Spiral Galaxies: Requirements for accurate Photometric Bulge/Disk Decomposition. *M. Prieto, A. M. Varela, C. Muñoz-Tuñón, J. A. Aguerri, & E. Simonneau.* 306
- Vazdekis, A.** Line Strength Mapping of the Stellar Populations within Elliptical Galaxies. *A. Vazdekis, J. J. González, L. Olguín, J. Gorgas, J. Cenarro, N. Cardiel, P. Sánchez-Blázquez, & S. Pedraz.* 103
- Vazdekis, A.** The Nature of Dwarf Elliptical Galaxies: An Observing Project for OSIRIS. *J. Gorgas, S. Pedraz, J. J. González, A. Vazdekis, N. Cardiel, A. J. Cenarro, & P. Sánchez-Blázquez.* 108
- Vega, M.** The instrumental design of Elmer. *M. Garcia Vargas, E. Sánchez-Blanco, L. Cavaller, J. Martín-Fleitas, R. Kohley, M. Medina, J. Rosich, P. L. Hammersley, B. Ronquillo, & M. Vega.* 319
- Verdes-Montenegro, L.** The Nature of the Compact Group HCG 54. *A. del Olmo, L. Verdes-Montenegro, J. Perea, J. Iglesias-Páramo, J. M. Vilchez, M. S. Yun, & W. Huchtmeier.* 269
- Vilchez, J.M.** Workshop Summary. *J. M. Vilchez.* 329
- Vilchez, J. M.** The Nature of the Compact Group HCG 54. *A. del Olmo, L. Verdes-Montenegro, J. Perea, J. Iglesias-Páramo, J. M. Vilchez, M. S. Yun, & W. Huchtmeier.* 269
- Watson, A. M.** Mid-Infrared Detection of a Hot Molecular Core in G29.96–0.02. *A. M. Watson, J. M. De Buizer, J. T. Radomski, R. K. Piña, & C. M. Telesco.* 127
- Westergaard, N. J.** EMIR: Using GRBs to probe the high redshift Universe. *J. Gorosabel, N. Lund, S. Martínez Núñez, M. I. Andersen, A. J. Castro-Tirado, J. M. Castro Cerón, J. Hjorth, J. Fynbo, S. Brandt, & N. J. Westergaard.* 281
- Williams, J. P.** Star Formation Research at the University of Florida. *J. P. Williams.* 140
- Yun, M. S.** The Nature of the Compact Group HCG 54. *A. del Olmo, L. Verdes-Montenegro, J. Perea, J. Iglesias-Páramo, J. M. Vilchez, M. S. Yun, & W. Huchtmeier.* 269
- Zabludoff, A. I.** Galaxy Star Formation as a function of Environment. *F. J. Castander, M. L. Balogh, M. Bernardi, R. G. Bower, D. I. Clowe, A. J. Connolly, D. G. Gilbank, P. L. Gómez, T. Goto, A. M. Hopkins, C. J. Miller, R. C. Nichol, D. P. Schneider, R. Seth, & A. I. Zabludoff.* 229
- Zamorano, J.** A New Approach in Data Reduction: Proper Handling of Random Errors and Image Distortions. *N. Cardiel, J. Gorgas, J. Gallego, Á. Serrano, J. Zamorano, M. L. García-Vargas, P. Gómez-Cambronero, & J. M. Filgueira.* 73
- Zamorano, J.** EMIR Data Reduction Pipeline. *J. Gallego, J. Zamorano, A. Serrano, N. Cardiel, J. Gorgas, C. E. García-Dabó, & A. Gil de Paz.* 275
- Zamorano, J.** A K band survey in the Groth Strip Flanking Fields. *A. Serrano, N. Cardiel, J. Gallego, M. Balcells, M. Prieto, D. Cristóbal, R. Guzmán, R. Pelló, J. Gorgas, & J. Zamorano.* 311
- Zharikov, S.** Doppler Tomography of Cataclysmic Variables: what can we do with the GTC? *J. Echevarría, R. Costero, L. Pineda, G. Tovmassian, S. Zharikov, & R. Michel.* 154
- Zurita, A.** Emission line ratio mapping with OSIRIS. *J. E. Beckman, A. Zurita, M. Relaño, & A. Cardwell.* 121
- Zurita, A.** The diffuse ionized gas in galaxies. *M. Rozas, J. A. López, M. Richer, J. E. Beckman, & A. Zurita.* 308