

Programmes Approved for Period 55

Key Programmes

ESO No.	Names of PIs	Title of submitted programme	Telescope
1-003-43K	de Lapparent et al.	A redshift survey of galaxies with $z \leq 0.6$ using multi-slit spectroscopy	NTT
1-023-49K	Böhringer et al.	Redshift survey of ROSAT clusters of galaxies	2.2-m
4-004-51K	Turatto et al.	A photometric and spectroscopic study of supernovae of all types	3.6-m, NTT, 2.2-m, 0.9-m Du
9-002-49K	Epchtein et al.	Deep near-infrared survey of the southern sky (DENIS)	1-m
9-004-51K	Ferlet et al.	Is our halo dark matter made of compact objects?	GPO

ESO No.	Names of PIs (in alphabetical order)	Title of submitted programme	Telescope
D-0949	Abbott/Haswell/Patterson	Disk precession in ultrashort-period cataclysmic variables	1.5-m
D-0921	Abbott/Shafter	Time series photometry of old novae	0.9-m Dutch
E-0555	Achmad/Lamers	The mechanism of mass loss in A, F, G supergiants	1.4-m CAT
C-0022	Acker/Köppen/Stasinska/Stenholm/ Durand Aerts/Waelkens	Oxygen abundances in the galactic bulge from planetary nebulae	1.5-m
D-0775	Aerts/Waelkens	Mode identification in the rapidly rotating β Cephei stars κ and λ Scorpii	1.4-m CAT
C-0816	Ageorges/Eckart/Quirrenbach	Sharp imaging and polarimetry of reflection nebulae associated with young stellar objects	NTT
E-0733	Ageorges/Hofmann/Ménard	Two-dimensional polarisation observation of highly polarised young stellar objects	NTT
E-0738	Alcalá/Bouvier/Covino/Krautter/Magazzù/ Martin/Rebolo/Terranegra/Wichmann	Study of the evolution of lithium and rotation in low-mass Pre-Main Sequence stars	3.6-m
E-0792	Alcalá/Sterzik/Neuhäuser/Schmitt/ Covino/Terranegra	A search for young disk population stars from the ROSAT All-Sky Survey	1.5-m
A-0768	Andreani/La Franca/Miller/Cristiani/ Lissandrini	The cosmological evolution of the clustering of quasars	3.6-m
F-0654	Arlot/Thuillot/Bouchet/Colas/Descamps/ Sicardy/Vu	Observation of the events of the satellites of Saturn	0.5-m
D-0703	Augusteijn/Abbott/Rutten/van Paradijs/ van der Klis	A comparative study of disk and halo cataclysmic variables	0.9-m Dutch
D-0701	Augusteijn/Spruit/Groot/van Paradijs	Phase-resolved spectroscopy of the eclipsing dwarf nova GS Pav	1.5-m Danish
D-0502	Baade/Steffl/Cuypers	Origin and coupling of stellar and circumstellar Balmer jump variations	1.5-m, 1.4-m CAT, 0.5-m
C-0416	Baluteau/Joubert/Cox/Armand	Physical conditions in and around compact HII regions	2.2-m
F-0489	Barucci/Fulchignoni/Lazzarin/De Sanctis/ Dotto	Study of the physical and chemical properties of asteroids 1071 Brita, 3057 Malaren and 3328 1985 OD1: possible ROSETTA targets	1.5-m
E-0855	Bedding/Frandsen/Kjeldsen/Cram/ Christensen-Dalsgaard/Dall	Oscillations in α Centauri A: a challenge to stellar evolutionary theory	3.6-m
A-0843	Bedding/Minniti	Population studies with Come On+: the dwarf irregular galaxy IC 5152	3.6-m
D-0658	Bell/Schwarz/Pollacco	Time resolved narrow-band photometry of planetary nebula central stars	0.9-m Dutch
B-0583	Bergeron/Le Brun	Identification of the gaseous systems detected by their OVI and Ly α absorption in the quasar spectra of the Hubble Space Telescope Key Project	NTT
A-0984	Bergvall/Rönneback/Masegosa/Hidalgo- Gamez/Östlin	Near-IR imaging of blue low-surface brightness galaxies	2.2-m
A-0691	Bettoni/Galletta/Ciri/Brocca	The nature of peculiar dust-arcs in spiral galaxies	2.2-m
B-0381	Bock/Wagner	Rapid flares and particle acceleration in BL Lac objects	1.5-m Danish
F-0337	Bönnhardt/West/Schwehm/Bär	Investigation of Comet P/Wirtanen, prime target of the ESA ROSETTA mission	2.2-m
A-0987	Bonfanti/Rampazzo/Longhetti/Reduzzi	Using ellipticals in pairs as a probe of the universality of the fundamental plane	1.5-m
E-0575	Bouvier/Allain/Wichmann	The rotational periods of post-T Tauri stars	0.9-m Dutch
E-0450	Bragaglia/Cacciari/Kinman/Carretta	The nearby blue horizontal branch stars	1.4-m CAT
F-0957	Brahic/Ferrari/Lagage/Rotundi/Thebault	1995 Saturn's rings edge-on observations	2.2-m, 0.9-m Du
D-0788	Brandl/Sams/Eckart/Bertholdi/Genzel	Diffraction-limited NIR imaging and identification of WR-stars in R136	3.6-m
A-0498	Bremer/Miley/van Ojik/van der Werf	Evolution and influence of the cluster environment of distant quasars	2.2-m
E-0438	Bues/Karl-Dietze	Spectral variability of single magnetic white dwarfs	1.5-m
D-0383	Burwitz/Reinsch/Beuermann/Schwöpe	Magnetic field configuration and synchronisation of long-period AM Herculis systems	2.2-m, 0.9-m Du
A-0607	Cacciari/Federici/Held/Stanghellini	A spectroscopic study of the globular clusters in the Sculptor spiral galaxy NGC 253	3.6-m
B-0308	Calvani/Sulentici/Zwitter/Marziani	The very broad line region in active galactic nuclei	1.5-m
B-0954	Campusano/Clowes	Testing a galaxy excess in the direction of the largest known quasar group	NTT
E-0014	Carrasco/Loyola	UBVRI photometry of FK5 faint stars	0.5-m

ESO No.	Names of PIs (in alphabetical order)	Title of submitted programme	Telescope(s)
E-0874	Casanova/Montmerle/Gregorio-Hetem/Martin/Bouvier	A large-scale spectroscopic survey of ROSAT-discovered T Tauri candidates in the ρ Oph star forming region	1.5-m
E-0685	Cayrel/Nissen/Beers/Spite F./Spite M./Andersen/Nordström/Barbuy	Survey of very metal-poor stars in the Galaxy	NTT, 1.5-m
A-0515	Chiosi/Ortolani/Vallenari/Bertelli	Star formation of dwarf galaxies of the Local Group	NTT
A-0887	Clements/Saunders/Mobasher/Sutherland/Kraan-Korteweg/Maddox/Rowan-Robinson/Bottinelli/Tully	Inclinations and extinctions for nearby IRAS galaxies	0.9-m Dutch
A-0890	Clements/Saunders/Mobasher/Sutherland/Kraan-Korteweg/Maddox/Rowan-Robinson/Bottinelli/Tully	An all-sky K'-band Tully-Fisher survey of IRAS galaxies	2.2-m
A-0891	Clements/Saunders/Mobasher/Sutherland/Maddox/Mamon/Rowan-Robinson/Tully	Identification of IRAS galaxies behind the southern Milky Way	2.2-m
B-0411	Clements/Saunders/Sutherland/McMahon/Efstathiou/Rowan Robinson/Lawrence	Spectroscopy of candidate high z IRAS galaxies	3.6-m
A-0480	Collins/Burke/Böhringer/Neumann/Nichol/Romer/Sharples/Kron/Ulmer	A distant sample of X-ray selected galaxy clusters	3.6-m
D-0568	Corporon/Lagrange/Böhm	A search for spectroscopic binaries among Herbig stars	1.4-m CAT
B-0544	Courvoisier/Carrillo/Walter	Observation of circumnuclear regions of Seyfert galaxies through infrared bands	2.2-m
E-0334	Cuntz/Mandel/Kaufer/Wolf/Ulmschneider/Brown	Chromospheric variability of selected K giants	0.5-m
D-0724	Daems/Waelkens	Mapping the accretion disk in the HD104901B system	1.4-m CAT
C-0330	Danziger/Barlow/Liu/Storey	C, N and O abundances of planetary nebulae and H II regions from optical recombination lines	1.5-m
D-0986	Danziger/Bouchet/Gouiffes/Lucy/Fransson/Mazzali/Della Valle/Chugai	SN 1987A	3.6-m, 2.2-m, 1.5-m Danish
A-0831	Danziger/Carollo	Infrared (IR) colour gradients in early-type galaxies	2.2-m
E-0565	de Boer/Theisen/Geffert/Colin/Dauphole/LeCampion	Separating Population II from Population I SdB stars	3.6-m
A-0623	De Grandi/Molinari/Böhringer/Chincarini	Photometric properties of X-ray selected clusters of galaxies	1.5-m Danish
B-0826	de Kool/Ulrich	High-resolution spectroscopy of broad absorption line QSOs	NTT
D-0387	de Martino/Mouchet/Dhillon/Buckley/Bonnet-Bidaud/Mukai	Infrared Spectroscopy of a sample of intermediate polars	NTT
C-0608	de Winter	Detection of circumstellar material and mass-outflow indicators of young stellar objects of intermediate mass	0.9-m Dutch
D-0596	de Winter	Identifying star-grazing bodies in the close vicinity of young intermediate mass stars	1.4-m CAT
F-0548	Di Martino/Barucci/Farinella/Cellino/Migliorini/Lazzarin	Spectroscopic observations of family asteroids	1.5-m Danish
D-0819	Dieters/van Paradijs/Spreeuw/Greenhill/Rutledge	Black hole candidates amongst the old novae	1.5-m Danish
B-0584	D'Odorico/Cristiani/Fontana/Giallongo	Deep imaging of primeval galaxies at $z \sim 4.5$ in the field around the high redshift QSO 1202-07	NTT
A-0856	Doublier/Caulet/Comte	Blue and red photometry of blue compact galaxies at low redshift	1.5-m
E-0016	Drossart/Forni/Benit/Beuzit/Bibring/Encrenaz/Lellouch	Observations of the Jovian system at 4 microns with Come-On+	3.6-m
E-0024	Ducourant/Hawkins	Measurement of parallaxes of 30 brown dwarf candidates	1.5-m Danish
D-0641	Duerbeck/Leibowitz/Seitter/Shara	What powers recurrent novae?	3.6-m
A-0018	Ebeling/Edge/Oliveira	Spectrophotometrical study of optically rich ACO clusters of galaxies featuring a pronounced lack of X-ray emission	3.6-m
A-0687	Eckart/Genzel/Sams/Tacconi-Garman/Hofmann	Proper motions in the galactic centre	NTT
E-0777	Edvardsson/Feltzing/Gustafsson/Lambert/Morell/Tomkin	Europium and Carbon in the galactic disk	1.4-m CAT
C-0908	Eisloffel/Davis/Lioure/Smith	Which shocks in outflows from young stars?	NTT
F-0590	Encrenaz/Schultz/d'Hendecourt/Stuewe/Drossard	A monitoring of Jupiter in the Near-IR emissions of H ₂ and H ₃ ⁺	NTT
B-0409	Falomo/Kotilainen	Near-infrared imaging of flat spectrum radio quasars	2.2-m
A-0812	Felenbok/Balkowski/Cayatte/Kraan-Korteweg/Woudt	MEFOS guaranteed time: Search in the galactic plane towards the Great Attractor	3.6-m
A-0835	Felenbok/Balkowski/Maurogordato/Batuski/Olowin/Slinglend	MEFOS guaranteed time: Spectroscopy of two southern supercluster candidates	
F-0943	Ferrari/Brahic/Lagage/Thebault/Rotundi	Saturn's ring plane crossing: 17-micron observations	3.6-m
E-0631	Ferrari/Bucciarelli/Massone/Lasker/Postman/Le Poole/Lattanzi/Pizzuti	Photometric calibrators for the southern sky surveys	0.9-m Dutch
E-0326	Festini	Deep CCD photometry for determination of the IMF for the latest M-dwarfs	NTT
A-0901	Freudling/Alonso/da Costa/Wegner	The peculiar motion of galaxies	1.5-m, 1.5-m Da
C-0382	Gehrz/Krautter	Measurement of the infrared angular diameters of old nova shells	3.6-m, 2.2-m
B-0615	Gerritsen/Barthel	Probing starburst events in QSOs	NTT
B-0616	Gerritsen/Barthel	Infrared imaging of quasar host galaxies	2.2-m
B-0417	Giallongo/Petitjean/Fontana	The CIV content of the Lyman- α forest	NTT
A-0329	Goudfrooij/Binette/Hansen	Origin and excitation of gas in cooling flow galaxies	1.5-m

ESO No.	Names of PIs (in alphabetical order)	Title of submitted programme	Telescope(s)
E-0764	Gratton/Carretta/Fusi Pecci/Ferraro	Spectroscopic observations of blue straggler progeny in globular clusters	3.6-m, 1.5-m Da
E-0487	Gratton/Carretta/Snedden	Mixing episodes during the RGB evolution of metal-poor stars	1.4-m CAT
E-0388	Grebel	Early evolution of the galactic bulge: Age abundances of bulge globular clusters	2.2-m
D-0704	Grosbøl	Radial velocity field in the Sagittarius spiral arm	1.5-m, 0.5-m
B-0347	Grube/Beuermann/Mannheim/Reinsch/Thomas	Spectropolarimetry of soft X-ray selected narrow-line Seyfert 1 galaxies	3.6-m
B-0348	Grube/Beuermann/Reinsch/Mannheim/Thomas	Short-time variability of soft X-ray selected narrow-line Seyfert 1 galaxies	1.5-m
E-0491	Guenther/Emerson/Folha	Spectro-photometry of T Tauri stars with known rotation periods	1.5-m, 0.5-m
D-0003	Häfner/Simon/Fiedler/Sturm	Binaries with early-type components	0.5-m
A-0525	Hammer/Angonin-Willaime	Multiple spectroscopy of luminous arcs	NTT
B-0355	Hasinger/Schwope/Roth/Truemper/Voges	Optical study of a complete sample of bright ROSAT-selected AGN candidates	2.2-m
E-0665	Hawkins	Infrared colours of very low mass stars and brown dwarfs	2.2-m
C-0674	Henning/Hoare/Hofner/Stecklum	High-resolution imaging of ultracompact H II regions with adaptive optics	3.6-m
D-0675	Heydari-Malayeri/Beuzit	Are there stars with a mass over 100 M ₀ in the Magellanic Clouds?	3.6-m
E-0392	Hilker/Kissler	Strömgren metallicities of a large number of evolved stars in ω Centauri	1.5-m Danish
B-0610	Hjorth/Sørensen/Grundahl	Near IR observations of the gravitational lens candidate	NTT
D-0475	Hubrig/Mathys	Magnetic fields in chemically peculiar double-lined spectroscopic binaries	3.6-m
B-0627	Hutsemékers/Lamy/Remy/Van Drom	Spectropolarimetry of broad absorption line (BAL) QSOs	3.6-m
A-0429	Iovino/Chincarini/Garilli/Maccagni/Saracco	A deep, infrared selected, galaxy sample	2.2-m
A-0462	Iovino/Oliveira/Hickson/Focardi/MacGillivray	Morphology and dynamics of galaxies in dense environments	1.5-m, 1.5-m Da
B-0730	Jakobsen/Picard	Searching for large-scale structure surrounding the rich absorption line quasar Q0122-380	3.6-m
D-0582	Kaper/Baade/Fullerton/Gies/Henrichs/Puls	A search for cyclical variability in O-star winds	1.4-m CAT
F-0321	Karkoschka	Spatially resolved spectrophotometry of Jupiter, Saturn, and Uranus	1.5-m
E-0534	Kavelaars/Brigdes/Jablonka/Sarajedini	CMDs for inadequately studied metal-poor galactic bulge globular clusters	1.5-m Danish
D-0459	Koester/Allard	Rotation velocities of white dwarfs	3.6-m
B-0818	Köhler/Wisotzki	Statistical investigation of a complete sample of Seyfert galaxies	1.5-m
D-0008	Kohoutek	Investigation and search for variability of selected planetary central stars	0.9-m Dutch
C-0366	Krautter/Evans/Scott	Nova abundances from infrared recombination lines	NTT
D-0379	Krautter/Starrfield/Wagner	Physical nature of galactic bulge novae in quiescence	NTT
F-0622	Kueppers/Jockers/Chernova	Imaging of oxygen and sulfur in the Io torus	2.2-m
A-0932	Kuijken/Franx	The recent merger remnant NGC 7252	NTT
E-0964	Kunkel/Zinnecker	Radial velocities and $v \sin i$ of Pre-Main Sequence stars in the ScoCen OB association	1.5-m Danish
E-0934	Kunkel/Zinnecker/Schmitt	Optical and infrared photometry of Pre-Main Sequence X-ray sources in the ScoCen OB association	2.2-m, 1.5-m Da
A-0894	Kunth/Schaerer/Meynet	Wolf-Rayet populations in starburst galaxies	2.2-m
E-0361	Kürster/Hatzes/Cochran/Dennerl/Döbereiner	High-precision stellar radial velocities, Part VI	1.4-m CAT
A-0563	La Franca/Petitjean/de Lapparent/Cristiani	QSO MgII absorption systems and large-scale structures	NTT
E-0940	Lagage/Cabrit/Olofsson/Huldtgren	10-micron spectro-imaging of young outflow sources	3.6-m
F-0331	Lagerkvist/Dahlgren/Lahulla/Williams/Fitzsimmons	Rotational properties and shapes of Hilda asteroids	0.9-m Dutch
F-0512	Lagerkvist/Erikson/Magnusson/Piironen	Physical properties of asteroids with long rotational period	0.5-m
F-0589	Lagerkvist/Lagerros/Jämsä/Schloerb	Thermal light curves of asteroids	3.6-m
F-0827	Lagerkvist/Rickman/Magnusson/Dahlgren/Lindgren/Erikson/Lagerros	Physical studies of trans-Neptunian objects	NTT
E-0588	Lagrange/Beuzit/Mouillet/Forveille/Vidal-Madjar/Ferlet/Lecavelier	Search for disks around Main Sequence (MS) stars using adaptive optics in the infrared	3.6-m
D-0567	Lagrange/Corporon	Spectroscopic study of the TY CrA system	1.4-m CAT
B-0834	Lai/Rouan/Lacombe/Gendron	High spatial resolution infrared imaging of starburst activity in AGNs	3.6-m
A-0731	Le Borgne/Soucail/Bezecourt/Mellier/Pelló	Redshift and spectral content of the distant galaxies sources of the arcs in CL2244-02, MS2137-23 and Abell 2104	NTT
A-0635	Le Fèvre/Crampton/Dickinson	Clustering of galaxies around 3CR radio galaxies with $0.8 \leq z \leq 1.4$	NTT
A-0773	Leibundgut/Hamuy/Maza/Phillips/Schommer/Smith/Suntzeff/Spyromilio/Schmidt/Kirshner/Riess	Spectroscopy and photometry of distant supernovae	NTT, 1.5-m Da
E-0481	Leinert/Weitzel/Eckart	Very low mass multiple systems	NTT
E-0492	Leinert/Weitzel/Eckart	Spectral energy distribution of the components of LHS 1070	3.6-m
D-0433	Lennon/Dufton/Kudritzki/Venn	The chemical composition of the galactic centre	3.6-m

ESO No.	Names of PIs (in alphabetical order)	Title of submitted programme	Telescope(s)
F-0828	Lindgren/Rickman/Tancredi/ Fernández/Licandro	Nuclear photometry of short-period comets	1.5-m Danish
A-0711	Longhetti/Rampazzo/Reduzzi	Nature of fine structure in early-type galaxies in pairs	1.5-m
B-0757	Lutz/Genzel/Sternberg/Krabbe/Kunze	Probing stars in AGN and starburst galaxies by CO bandhead spectroscopy	NTT
A-0833	Macchetto/Bender/Capaccioli/ Pastoriza/Sparks	Long-slit spectroscopy of gas-rich elliptical galaxies	3.6-m
A-0647	Macchetto/Giavalisco/Madau/Steidel	Multi-colour medium-band imaging of cluster galaxies at redshift $z \approx 3.4$	NTT
A-0632	Macchetto/Sparks	Geometric measurement of galaxy distances	3.6-m
E-0770	Magain/Hammida/Zhao	Cosmic scatter of heavy elements in halo stars	1.4-m CAT
F-0527	Magnusson/Kwiatkowski/Erikson/ Piiroinen	CCD photometry of the near-Earth radar target asteroid 1991 JX	0.9-m Dutch
B-0823	Marco/Tacconi-Garman/Alloin/Blietz/ Rouan	Diffraction-limited L-, M-band studies of the Seyfert galaxies NGC 7469 and NGC 1068	3.6-m
B-0646	Marziani/Dultzin-Hacyan/Laurikainen/ Salo	The nature of super-winds in FIR strong galaxies	1.5-m Danish
D-0840	Mathys	Elemental abundances in A and B stars belonging to NGC 6231	NTT
E-0751	Mathys/Hubrig/Landstreet/Lanz/ Manfroid	Systematic search and study of Ap stars with magnetically resolved lines	1.4-m CAT
D-0737	Mathys/Hubrig/Landstreet/Lanz/ Manfroid	Magnetic field geometry in Ap stars with magnetically resolved lines	3.6-m
A-0560	Méndez/Arnaboldi/Capaccioli/Ford/ Freeman/Gerhardt/Hui/Kudritzki/ Quinn	Dynamics of the outer halos of normal elliptical galaxies	NTT
D-0736	Mereghetti/Kaper/Belloni/Haberl/ Voges	Spectroscopy of new Wolf-Rayet candidates discovered in the ROSAT All-Sky Survey	1.5-m
E-0543	Mermilliod/Mayor	Constraints on stellar formation from orbital elements of cluster binaries	1.5-m Danish
D-0452	Mermilliod/Raboud	Fundamental data on stellar formation: the young cluster NGC 6231	2.2-m
D-0451	Mermilliod/Raboud/Levato	Fundamental data on stellar formation: the young cluster NGC 6231	3.6-m
E-0975	Meylan/Bender/Jablonka/Spurzem	Is 47 Tucanae a collapsed-core globular cluster?	NTT
B-0972	Meylan/Courbin/Hammer/Magain	Deep imaging of selected gravitationally lensed quasars	NTT
E-0978	Meylan/Dubath/Jorissen/Mayor	Are the two high-velocity stars in the core of 47 Tucanae genuine cluster members?	NTT
D-0734	Mignani/Goldoni/Bignami/Caraveo	Optical studies of isolated neutron stars detected as high- energy sources	NTT
B-0700	Miley/van Ojik/Röttgering/Bremer	High-resolution study of the ionised gas in $z > 2$ radio galaxies	NTT
E-0557	Minniti	Kinematics of bulge giants and the formation of the Galaxy	3.6-m
E-0349	Moehler/Heber/Rupprecht	Spectroscopy of faint blue stars in NGC 6752	2.2-m
E-0656	Molaro/Rebolo/Martín/Casares/ Charles	Lithium observations in the cool companions of black holes	NTT
C-0936	Molaro/Vladilo/Centurión	High-resolution observations of metal systems in bright QSOs	3.6-m
D-0952	Montmerle/Lagage/Cabrit	Spectral properties of UV/X-ray irradiated circumstellar dust around low- and intermediate-mass young stars	3.6-m
E-0591	Mürset/Dumm/Nussbaumer/Schild/ Schmutz	Rotation of red giants	1.4-m CAT
D-0552	Munari/Zwitter	Spectrophotometric survey of possible cataclysmic variables	1.5-m
A-0969	Näslund/Jörsäter	Deep surface photometry of edge-on spiral galaxies	1.5-m Danish
D-0526	Napiwotzki/Werner/Heber	A search for cool companions of CPN and PG 1159 stars	2.2-m
E-0549	Neuhäuser/Alcalá/Sterzik/Schmitt	Search for weak-line T-Tauri stars in CrA star-forming region	1.5-m
E-0479	North/Béatrix/Künzli	Lithium in evolved metallic A-F stars	1.4-m CAT
D-0851	Nota/Clampin/Schulte-Ladbeck/ Pasquali/Smith/Stroud	Dynamical mapping and abundance analysis of the HR Carinae nebula	NTT
D-0849	Nota/Clampin/Sirianni	Dynamical mapping and abundance analysis of the M1-67 nebula	NTT
A-0950	Östlin/Amram/Bergvall/Boulesteix/ Masegosa/Feltzing/Kållander	The velocity field of luminous blue compact galaxies	3.6-m
A-0800	Oliveira/Amram/Balkowski/Boulesteix	H α velocity fields of galaxies in compact groups	3.6-m
E-0904	Olofsson/Eriksson/Gustafsson/ Olander/Schwarz	Imaging of circumstellar envelopes in resonance scattered light	3.6-m, NTT
E-0467	Ortolani/Guarnieri/Barbuy/Bica	Near-Infrared observations of globular clusters in the galactic bulge	2.2-m
E-0762	Ortolani/Renzini/Rich	The galactic bulge population	NTT
E-0425	Pasquini/Achmad	Absolute magnitudes of cool stars: the Wilson-Bappu law	1.4-m CAT
E-0424	Pasquini/Molaro	Li abundance in turnoff stars of NGC 6397	NTT
A-0005	Pellegrini/Böhringer/Danziger	A study of a complete sample of galaxy clusters detected by ROSAT	3.6-m
A-0821	Petitjean/Smette/Surdej/Shaver/ Mückel/Remy	Structure of the Universe at low z from the Ly α gas	NTT
E-0779	Petterson/Edvardsson/Westerlund	Lithium abundances and age of the ζ Scl open cluster	NTT, 0.9-m Dutch
A-0506	Piotto/Ferraro/Origlia/Palazzi	Near-Infrared observations of Cepheids in Local Group galaxies	2.2-m
D-0550	Pollacco/Schwarz/Bell/Aspin	Binary central stars of planetary nebulae: the progenitors of the cataclysmic variables?	NTT
E-0399	Poretti/Bossi/Mantegazza/Riboni/ Zerbi	Pulsation mode identification of the δ Sct star FG Vir	1.4-m CAT
C-0880	Pottasch/Manchado/García-Lario	Direct imaging and photometry of proto-planetary nebulae candidates	1.5-m Danish

ESO No.	Names of PIs (in alphabetical order)	Title of submitted programme	Telescope(s)
C-0916	Pottasch/Manchado/García-Lario	Infrared imaging and photometry of proto-planetary nebulae candidates	2.2-m
A-0019	Queloz/Dubath/Mayor	Search for an extended dark matter component in the Sculptor dwarf spheroidal galaxy	NTT
B-0666	Quirrenbach/Eckart/Genzel/Tacconi-Garman/von der Lühe	Diffraction-limited near-IR imaging of the nucleus of NGC 1068	NTT
A-0698	Rafanelli/Richter/Lipovetsky/Izotov/Kohler/Wisotzki/Esposito/Radovich	Chemical abundances of blue compact galaxies from Hamburg-ESO Survey	1.5-m
A-0564	Ramella da Costa/Nonino/Geller/Smith/Pellegrini	Redshift survey of a dense region of the southern sky	1.5-m
E-0808	Randich/Schmitt	Investigating the early main sequence evolution of low-mass stars	1.5-m
D-0319	Rauch/Werner	Neon abundance in PG 1159 stars	3.6-m
A-0662	Reduzzi/Rampazzo/Combes/Bonfanti	Frequency of tidal distortions in a complete sample of southern E+E pairs	3.6-m
A-0811	Robertson/Leibundgut	Spectroscopic search for Lyman alpha emission in damped systems	NTT
A-0516	Rönnback/Thimm/Hopp/Bergvall	A search for low surface-brightness galaxies with star-formation activity in the galaxy cluster A 3998	NTT
D-0530	Ruiz	Luminosity function of cool white dwarfs	3.6-m
A-0965	Sahu	The observed microlensing events towards the galactic bulge	3.6-m
B-0864	Sams/Genzel/Eckart	High spatial and time resolution infrared studies of the superluminally expanding galactic source GRS1915+105	NTT
A-0514	Saracco/Garilli/Iovino	Optical multicolour luminosity function of field galaxies	0.9-m Dutch
D-0598	Schmutz/Folini/Mürset/Nussbaumer/Schild/Walder	Doppler tomography of the wind-wind interaction zone in S-type symbiotic systems	1.4-m CAT
E-0466	Schmutz/Mürset/Nussbaumer/Schild	Orbital elements, M giant radius, and distance of symbiotic systems	1.4-m CAT
B-0447	Shaver/Wall/Kellermann	A search for radio-loud quasars at $z > 5$	3.6-m, 2.2-m
F-0015	Sicardy/Arlot/Beuzit/Colas/Descamps/Jorda/Lacombe/Poulet/Thuillot	Imagery of Saturn ring plane crossing in May and August	3.6-m
B-0905	Siebenmorgen/Cimatti/Freudling	Primordial dust in distant radio galaxies	3.6-m
B-0988	Siebenmorgen/Krügel/Zeilinger/Freudling	Probing the radiation field in active galaxies	2.2-m
B-0727	Smette/Williger/Petitjean/Surdej/Shaver/Müket/Remy	Extent of the Ly- α clouds	NTT
D-0798	Stecklum/Eckart/Löwe/Hofner/Henning	High-resolution infrared interferometry of young, massive stars	NTT
A-0532	Stein/Binggeli/Jerjen	Dynamics of dwarf galaxies in the Centaurus cluster	0.9-m Dutch
D-0317	Sterken/Thé/Hensberge/Bruch/Wolf/Jorissen/Vreux/Vogt	Long-term photometry of variables	0.5-m
C-0574	Strom/Verbunt/Johnston	Emission from a radio/X-ray knot expelled by the Vela supernova	2.2-m
C-0313	Szeifert/Baschek/Gummersbach/Kaufer/Wolf	Element abundances towards the galactic centre	0.9-m Dutch
E-0403	Tagliaferri/Cutispoto/Pallavicini/Pasquini/Fleming	Spectroscopic and photometric studies of cool stars detected by WFC and EUVE	1.4-m CAT, 0.5-m
D-0522	Teltng/Groot/Henrichs/van Paradijs/Piters	Accurate determination of $v \sin i$ of early-type stars	1.4-m CAT
B-0430	Tinney/Gemmo/Zinnecker/Hasinger/Pietsch/Kahabka	The search for QSOs behind Local Group galaxies	NTT
D-0753	Turon/Mermilliod/Gómez/Robichon/Sellier/Guibert	Photometric calibration for open clusters observed with Hipparcos	1.5-m Danish
C-0719	Van de Steene/Jacoby	Abundance study of new planetary nebulae close to the galactic centre	1.5-m
C-0712	Van de Steene/van Hoof/Waters	Imaging of suspected emerging planetary nebulae	3.6-m, NTT
E-0945	van der Blik/Schwarz/Nyman/Eriksson/Gustafsson	Symbiotics: ancient mass transfer just like in Ba stars?	1.4-m CAT
D-0339	van der Hucht/Williams/Setia Gunawan/Bouchet	Search and monitoring of eruptive Wolf-Rayet dust formation	2.2-m
D-0520	van der Klis/Augusteijn/Berger/van Paradijs	IR counterparts of highly reddened low-mass X-ray binaries	2.2-m
A-0572	van der Werf	H α emission from damped Lyman α systems	NTT, 2.2-m
C-0709	van Hoof/Van de Steene/Pottasch	Accurate abundance determination of CNO in planetary nebulae	1.5-m
B-0825	van Ojik/Bremer/Miley	Detailed imaging quasar host galaxies with Come-On+	3.6-m
D-0465	van Paradijs/Charles/Martin/Casares/van der Hooft/van der Klis/Augusteijn	Black hole candidates in quiescent soft X-ray transients: photometry	1.5-m Danish
D-0469	van Paradijs/Charles/Martin/Casares/van der Hooft/van der Klis/Martín/Augusteijn	Black hole candidates in quiescent soft X-ray transients: spectroscopy	NTT
D-0448	van Paradijs/Leibundgut/Abbott/Augusteijn/Strom	Supernova light curves	0.9-m Dutch
D-0023	van Paradijs/van der Hooft/Kouveliotou/Teleso	A 10-micron minisurvey of low-mass X-ray binaries	3.6-m
D-0722	Van Winckel/Waelkens/Waters	The circumstellar material of the binary high-galactic-latitude supergiant HD 213985	1.4-m CAT
D-0602	Veen/van Genderen/van der Hucht	Is WR46 (= HD 104994, WN3pec+) a 1994L-like supernova precursor? Looking for signs of its companion	1.5-m, 0.5-m
D-0333	Venn/Kudritzki/Lennon/Husfeld	Spectral analyses of A-type supergiants in the SMC and the wind momentum-luminosity relationship for massive stars	3.6-m

ESO No.	Names of PIs (in alphabetical order)	Title of submitted programmes	Telescope
B-0540	Véron/Hawkins	Spectroscopy of variable quasar candidates	3.6-m
A-0797	Vigroux/Sauvage/Césarsky/Mirabel/ Lagage/Gallais	Detailed mid-infrared mapping of the central regions of Centaurus A	3.6-m
C-0929	Vladilo/Centurión/Càssola	The interstellar $^{12}\text{C}/^{13}\text{C}$ towards Sco OB1: chemical inhomogeneities in the solar vicinity?	1.4-m CAT
B-0385	Wagner/Pfeiffer	Broad-band energy distributions of unidentified EGRET sources	1.5-m Danish
C-0696	Walsh/Clegg/Hui/Jacoby/Peletier/Walton	Using planetary nebulae to probe abundances in the early-type galaxy Cen-A (NGC 5128)	3.6-m
C-0755	Walsh/Walton	Imaging and spectroscopic survey of the Abell planetary nebulae	2.2-m
D-0743	Werner/Rauch/Weinberger/Saurer	Spectroscopy of central stars in old planetary nebulae	3.6-m
F-0461	West/Hainaut/Marsden/Meech	Activity in very distant comets	NTT, 1.5-m Da
D-0913	Wheatley/Watson/Rosen/Verbunt	Time-resolved spectroscopy of stream dips in AM Her-type systems	2.2-m
D-0311	Wolf/Kaufer/Mandel/Stahl/Gäng/Rivinius/ Szeifert/Gummersbach/Sterken/ Kovacs	High-resolution spectroscopic monitoring of B-type supergiants	0.5-m
C-0841	Zanin/Cappellaro/Turatto/Sabbadin	Imaging of new planetary nebulae and photometry of their central stars	1.5-m Danish
A-0001	Ziegler/Bender	The age of elliptical galaxies in clusters	NTT
E-0725	Zijlstra/Minniti	Miras in nearby galaxies (cont.)	NTT
E-0968	Zinnecker/Eckart/Leinert/Alcalá/ Wichmann	The binary frequency among X-ray selected, weak-line T Tauri stars	NTT

ESO-IRAM-NFRA-Onsala Workshop on

SCIENCE WITH LARGE MILLIMETRE ARRAYS

ESO Garching, 11–13 December 1995

The next major step in millimetre astronomy, and one of the highest-priority items in radio astronomy today, will be a large millimetre array with a collecting area of up to 10,000 m². Such an array will open new frontiers and make virtually all areas of astronomy accessible to observations in the millimetre wavebands. The purpose of this workshop is to discuss the scientific advances which such an array will make possible.

A wide range of scientific topics will be covered in the following sessions:

- **The early Universe**
- **Galaxies and clusters**
- **Molecular clouds and star formation**
- **Stellar astronomy**
- **Planetary science**

and possible new technologies for large millimetre arrays will also be discussed:

- **Array concepts, configurations, and potential sites**
- **Innovative telescope designs**
- **Prospects for receiver technology**

Scientific Organising Committee:

P. Andreani (Padova), R. Booth (Onsala), L. Bronfman (Santiago), D. Downes (IRAM), P. Encrenaz (Paris), M. Grewing (IRAM), S. Guilloteau (IRAM), R. Hills (Cambridge), F. Israel (Leiden), L. Nyman (ESO), P. Shaver (ESO), E. van Dishoeck (Leiden), F. Viallefond (Paris), J. Whiteoak (Culgoora), T. Wilson (Bonn).

Contact Address:

Peter Shaver, European Southern Observatory,
Karl-Schwarzschild-Str. 2, D-85748 Garching bei München,
Germany
e-mail: pshaver@eso.org
fax: +49 89 320-06-480/320-23-62

New Deadline . . . New Deadline . . .

June 15, 1995

ESO Studentship Programme

The European Southern Observatory has positions available for 12 research students. Six of these positions are at the ESO Headquarters in Garching, and the other six are at ESO's Institute of Astronomy in Santiago, Chile. Studentships are for one year, normally renewed for a second year. Up to 3 students may be accepted each year in either place. These positions are available to students enrolled in a Ph. D. (or equivalent) programme in the ESO member states and exceptionally at a university outside the ESO member states.

Note that the closing date for applications has been moved to **June 15, 1995**.

Potential candidates, or their supervisors, should obtain the detailed information about the programme by requesting the brochure and application form from the European Southern Observatory, Studentship Programme, Karl-Schwarzschild-Str. 2, D-85748 Garching bei München, Germany. The brochure describes the prerequisites for participation in the programme, as well as the research interests of the staff member who would act as the local supervisor.

ESO Astrophysics Symposia Series

The proceedings of the ESO Astrophysics Symposia will be published in a new hard bound series by Springer Verlag. This series is intended for the proceedings of those ESO sponsored symposia, conferences and workshops which cover topics closely related to the scientific goals of ESO and will not replace the proceedings of meetings of a more technical nature which are currently produced by ESO. This new series offers a format and price which should make it attractive both to individuals and to libraries. The first three volumes will become available in the spring of 1995. The titles are:

- **The Light Element Abundances**
- **Science with the VLT**
- **The Bottom of the Main Sequence and Beyond**

Springer will handle the production, sales, and distribution of these books. Interested individuals can order these volumes directly from Springer for a price of DM 48.–.