

Cycle 27 Approved Proposals

Proposal No	Title Of Proposal	Authors	Affiliation	GMRT Array	Time Allotted	Person present for observations	Help required	Remarks
27_001	GMRT Observation of Objects Discovered by RAD@home Astronomy Collaboratory, India (GOOD-RAC-2): New cluster-relics or revived relic-lobes.	Ananda Hota Chiranjib Konar C.S. Stalin Shilpa Shantaram Dubal Arpita Misra RASHMIKANTA MANTRY Pratik Anand Dabhade alakananda patra PRADEEPTA KISHORE MOHANTY Sravani Vaddi Megha Rajoria Charitharth Ashok Vyas	CEBS ASIAA IIA RAD@home RAD@home RAD@home RAD@home RAD@home RAD@home RAD@home RAD@home RAD@home	F	24	Ananda Hota	none	Short spacing critical
27_002	Low-frequency radio observations of peculiar radio structures in the central regions of galaxy cluster Abell 585	Marek Jamrozy Lukasz Filip Stawarz Michal Ostrowski C.C.(Teddy) Cheung	Jagiellonian ISAS, JAXA Jagiellonian NRL	F	21	Marek Jamrozy	consultation	Correlator - 2 Sideband, Short spacing critical
27_003	Identification of AMI Galactic Plane Survey Compact H region candidates	Yvette Chanel Perrott David Alan Green Anna Scaife Keith JB Grainge	Cavendish Cavendish Southampton Manchester	F	18		none	Correlator - 2 Sideband
27_004	Disentangling Synchrotron, Free-Free and Thermal Dust Emission in Galaxies	Jonathan Ivor Davies Walter Gear Matthew Smith Suzanne Madden marcel spencer clemens	Cardiff Cardiff Cardiff CEA OAPD	N30	80	Jonathan Ivor Davies Walter Gear Matthew Smith marcel spencer clemens	consultation	
27_005	Tidal Dwarf Galaxies near NGC 5557: are they free of dark matter?	Federico Lelli Stacy McGaugh Chris Mihos Marcel Pawlowski	CWRU CWRU CWRU CWRU	F	25	Federico Lelli	consultation	Correlator - 2 Sideband, Short spacing critical

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27_008	Simultaneous Multi-frequency Follow-up of Four Pulsars Discovered with the GMRT	Mayuresh Surnis BHALL CHANDRA JOSHI Maura Ann McLaughlin Periasamy K. Manoharan Krishnakumar MA	NCRA NCRA West Virginia NCRA NCRA	F	15	Mayuresh Surnis	none	Correlator - 2 Sideband, Phased array required, Integration time less than 8 seconds required for extended periods.
27_009	XXL: The history of black hole growth and the nature of radio-mode AGN feedback: Part III	Vernesa Smolic Huib Intema Jacinta Claire Delhaize Somak Raychaudhury Huub Rottgering Cathy Horellou Mark Birkinshaw Chiara Ferrari Sean McGee Malcolm Bremer Marguerite Pierre Cyril Tasse Wendy Williams Konstantinos Kolokythas Ray Norris P Ciliegi M Bondi Mladen Novak Nikola Baran	Alfa NRAO UniZg PRESIDENCY Leiden CUT Sweden Bristol OCA Leiden Bristol CEA/Sap OP Leiden Birmingham ATNF OABO-INAF OABO-INAF UniZg UniZg	F	70	Somak Raychaudhury Konstantinos Kolokythas	none	
27_011	Low-frequency radio observations of a hybrid blazar	Urszula Pajdosz Marek Jamrozy Lukasz Filip Stawarz Michal Ostrowski	Jagiellonian Jagiellonian ISAS, JAXA Jagiellonian	F	9	Marek Jamrozy	consultation	Correlator - 2 Sideband, Short spacing critical
27_013	Low frequency observations of an IMBH host dwarf galaxy	Songyoung Park Chandreyee Sengupta Bong Won Sohn	Yonsei KASI KASI	F	8	Songyoung Park	friend	Correlator - 2 Sideband, Short spacing critical
27_015	CHITALS: Cold HI 21-cm Absorption Line Survey	Rajeshwari Dutta Raghunathan Srianand Neeraj Gupta Patrick Petitjean Pasquier Noterdaeme hadi Rahmani	IUCAA IUCAA ASTRON IAP IAP IUCAA	F	100	Rajeshwari Dutta Raghunathan Srianand Neeraj Gupta hadi Rahmani	none	Correlator - 2 Sideband, Non standard frequency required

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27_017	Radio-gamma ray connection in Blazars	Mamta Pandey-Pommier Francesco Massaro Marcello Giroletti Francoise Combes B. S. Acharya Joydeep Bagchi Bruno Guiderdoni	CRAL Yale IRA-INAF OP TIFR IUCAA CRAL	F	35		none	Correlator - 2 Sideband, Short spacing critical
27_018	Particle (re)acceleration in galaxy clusters	Francesco deGasperin Annalisa Bonafede Marcus Bruggen Huib Intema Reinout Johannes vanWeeren	Hamburg Hamburg Hamburg NRAO CFA		36		none	Correlator - 2 Sideband
27_020	A Search for Giant Pulses from Millisecond and Young Pulsars	Yogesh Maan BHAL CHANDRA JOSHI ARUN KUMAR NAIDU	NCRA NCRA NCRA	F	14	Yogesh Maan BHAL CHANDRA JOSHI ARUN KUMAR NAIDU	none	Correlator - 2 Sideband, Phased array required, Short spacing critical, Integration time less than 8 seconds required for
27_021	Mapping of radio recombination lines in the cometary HII region G351.69-1.17	Veena V.S. Sarita Vig Anandmayee Tej Nimisha Kantharia SKGhosh	IIST IIST IIST NCRA NCRA	F	28	Veena V.S. Sarita Vig Anandmayee Tej Nimisha Kantharia SKGhosh	none	Correlator - 2 Sideband, Short spacing critical
27_022	High resolution study of the Tidal Dwarf Galaxy in the Leo Triplet	Blazej Stefan Nikiel-Wroczyński Dominik J. Bomans Marian Soida Marek Urbanik Marek Jamrozy	Jagiellonian AIRUB Jagiellonian Jagiellonian Jagiellonian	F	20	Marek Jamrozy	consultation	Correlator - 2 Sideband, Short spacing critical
27_023	A determination of water abundance in Saturn's deep atmosphere	Régis Courtin Mamta Pandey-Pommier Julien Girard Philippe M. Zarka Cyril Tasse	OP CRAL CEA/SAP OP OP	F	16	Mamta Pandey-Pommier	none	

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27_024	Arp 112: A ring of tidal remnants or a tidal dwarf galaxy?	Chandreyee Sengupta Tom Scott D.J. Saikia Dwarakanath K.S. Bong Won Sohn	KASI Hertfordshire NCRA RRI KASI	F	12	Chandreyee Sengupta	none	Correlator - 2 Sideband, Short spacing critical
27_025	A deep radio survey of a complete sample of mass-selected galaxy clusters: II - COMPLETION OF THE OBSERVATIONS	Rossella Cassano Tiziana Venturi Gianfranco Brunetti Stefano Ettori Daniele Dallacasa Gabriel William Pratt Giacintucci Simona Ruta Kale Virginia Cuciti Annalisa Bonafede Klaus Dolag Maxim Markevitch	INAF-IRA INAF-IRA INAF-IRA OABO-INAF Bologna CEA-Saclay Maryland IRA-INAF IRA-INAF Hamburg MPA NASA GSFC		31	Ruta Kale	consultation	Correlator - 2 Sideband, Short spacing critical
27_026	A low-frequency study of the Chandra -- South-Pole Telescope galaxy cluster sample: Part II	Huib Intema Reinout Johannes vanWeeren Abhirup Datta Surajit Paul Laura Birzan	NRAO CFA NASA Fellow Pune Hamburg	F	26		none	Correlator - 2 Sideband
27_027	The first radio study of the very-high gamma emitting source HESS J1843-033C	Gabriela Castelletti Elsa Giacani BHAL CHANDRA JOSHI Jorge Leonardo Supán Mayuresh Surnis	IAFE IAFE NCRA IAFE NCRA	F	17	BHAL CHANDRA JOSHI	friend	Correlator - 2 Sideband, Phased array required, Short spacing critical
27_028	A low frequency view of the gamma-ray SNR G353.6-0.7/HESS J1731-347 system	Gabriela Castelletti Elsa Giacani BHAL CHANDRA JOSHI Jorge Leonardo Supán Mayuresh Surnis	IAFE IAFE NCRA IAFE NCRA	F	35	BHAL CHANDRA JOSHI	friend	Correlator - 2 Sideband, Phased array required, Short spacing critical

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27_029	Bubbles as probes for triggered star formation	Anandmayee Tej Sarita Vig swagat ranjan das Veena V.S. Tie Liu Kee-Tae Kim Swarna Kanti Ghosh C.H. IshwaraChandra Jeong-Eun Lee Diego Mardones Hongli Li	IIST IIST IIST IIST KASI KASI TIFR NCRA KHU UCh NAOC	F	30	Anandmayee Tej Sarita Vig swagat ranjan das Veena V.S. Swarna Kanti Ghosh C.H. IshwaraChandra	none	Correlator - 2 Sideband
27_030	Ultra steep spectrum giant radio galaxy with	Dominika Justyna Hunik Marek Jamrozny	Jagiellonian Jagiellonian	F	27	Marek Jamrozny	consultation	Correlator - 2 Sideband, Short spacing critical
27_031	Low frequency study of GPS pulsars - Interferometric imaging method	Jaroslav Kijak Rahul Basu Marta Dembska Wojciech Lewandowski Karolina Rozko	IAUZ NCRA KIAUZ IAUZ IAUZ	F	30	Jaroslav Kijak Rahul Basu Wojciech Lewandowski	none	Correlator - 2 Sideband, Integration time less than 8 seconds required for extended periods.
27_032	A PILOT 300 SQ DEG GMRT TRANSIENT SURVEY IN STRIPE 82	Mooley Preshanth Jagannathan Huib Intema Nimisha Kantharia Gregg Hallinan Shrinivas R Kulkarni Dale A Frail Steve Myers	Caltech Calgary NRAO NCRA NUIG IPAC NRAO NRAO	F	30		none	Correlator - 2 Sideband, Integration time less than 8 seconds required for extended periods. 300.0GB Disk space required
27_033	1280 MHz Continuum observation of young outbursting source V899 Mon	Joe Philip Ninan Devendra Kumar Ojha Swarna Kanti Ghosh	TIFR TIFR TIFR	F	5.5	Joe Philip Ninan	none	Correlator - 2 Sideband
27_035	HI observations of extremely gas rich void galaxies	Jayaram Narayanan Chengalur Simon Pustilnik	NCRA SAO	F	40		none	Correlator - 2 Sideband, Short spacing critical
27_036	A deep investigation of the Cygnus region at decimeter wavelengths	Paula Benaglia C.H. IshwaraChandra	IAR NCRA	F	40	Paula Benaglia C.H. IshwaraChandra	none	Correlator - 2 Sideband

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27_037	HI in faint gas rich galaxies	Jayaram Narayanan Chengalur Narendranath Patra Igor Karachentsev	NCRA NCRA SAO	F	35		none	Correlator - 2 Sideband, Short spacing critical
27_038	Multi-frequency scattering of pulsars with known distances	Wojciech Lewandowski Jim Cordes Jaroslaw Kijak Shami Chatterjee Bhaswati Bhattacharyya Jayanta Roy Karolina Rozko	IAUZ Cornell IAUZ Cornell Manchester NCRA IAUZ	C01	26	Wojciech Lewandowski	none	Correlator - 2 Sideband, Phased array required, Short spacing critical, Integration time less than 8 seconds required for extended periods.
27_039	Search for spider MSPs within the error boxes of high-significance Fermi LAT unassociated sources	Bhaswati Bhattacharyya Jayanta Roy Yashwant Gupta Dipankar Bhattacharya Elizabeth Ferrara	Manchester Manchester NCRA IUCAA Maryland	F	24		none	Correlator - 2 Sideband, Phased array required
27_040	A high redshift search for OH megamaser emission in lensed Herschel sub-mm galaxies	Nissim Kanekar Alain Omont Rob Ivison Willem Baan Wiphu Rujopakarn Eiichi Egami Chentao Yang Dominik Riechers	NCRA IAP ESO Astron Arizona Arizona PMO Cornell	F	60	Nissim Kanekar	none	Correlator - 2 Sideband
27_041	Long-term timing program for millisecond pulsars discovered by the GMRT in Fermi-directed searches	Jayanta Roy Bhaswati Bhattacharyya Yashwant Gupta Dipankar Bhattacharya	Manchester Manchester NCRA IUCAA	F	24		none	Correlator - 2 Sideband, Phased array required
27_042	Radio timing follow-up and eclipse study an LMXB/MSP transition system discovered with the GMRT	Jayanta Roy Paul Ray Bhaswati Bhattacharyya Ben Stappers	Manchester NRL Manchester Manchester	F	48		none	Correlator - 2 Sideband, Phased array required
27_043	Coherently dedispersed timing studies at the GMRT for IPTA MSPs	Jayanta Roy Maura Ann McLaughlin Scott M. Ransom Bhaswati Bhattacharyya Duncan Ross Lorimer Lina Levin	Manchester West Virginia NRAO Manchester West Virginia West Virginia	F	27		none	Correlator - 2 Sideband, Phased array required

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27_044	GMRT High Resolution Southern Sky (GHRSS) survey for millisecond pulsars and transients : A SKA precursor survey	Bhaswati Bhattacharyya Jayanta Roy Ben Stappers Maura Ann McLaughlin Duncan Ross Lorimer Paul Ray Scott M. Ransom Jayaram Narayanan Chengalur Michael Keith Sally Cooper Mateusz Malenta	Manchester Manchester Manchester West Virginia West Virginia NRL NRAO NCRA Manchester Manchester Manchester	F	60	Bhaswati Bhattacharyya Jayanta Roy	none	Correlator - 2 Sideband, Phased array required
27_045	Neutral Hydrogen in the LARS+eLARS Galaxies	John Michael Cannon Stephen Pardy Göran Östlin Emily Freeland Lucia Guaita Matthew Hayes Daniel Kunth Peter Laursen Jens Melinder Ivana Orlitova Hector Oti-Flornes Johannes Puschnig Thøger Emil Rivera-Thorsen Andreas Sandberg Daniel Schaerer Anne Verhamme	Macalester College Wisconsin Stockholm Stockholm Stockholm Stockholm iap Copenhagen Stockholm ASU AVCR IA-UNAM Stockholm Stockholm Stockholm UniGe UniGe	F	80		consultation	Correlator - 2 Sideband, Short spacing critical, 140.0GB Disk space required
27_046	Probing Millisecond Pulsar Profiles at Low Frequencies	Yashwant Gupta Devansh Agarwal Kishalay De	NCRA IISER TVM IISc	F	49.2	Yashwant Gupta Devansh Agarwal Kishalay De	none	
27_047	Microstructure Emission from Pulsars : A Pilot Study	Yashwant Gupta Kishalay De	NCRA IISc	F	15.6	Yashwant Gupta Kishalay De	none	

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27_048	Low-frequency emission characteristics of the radio magnetospheres of OB stars	Poonam Chandra Wade Stanley Peter Owocki Jason H Grunhut Mary Oksala Veronique Petit Sundqvist ud-Doula	NCRA RMC UD ESO Ondrejov UD UD PSU	F	81	Poonam Chandra	none	Correlator - 2 Sideband
27_051	Dissecting the Extended Radio Emission in the Strong Lensing Cluster PLCK G004.5-19.5 at z=0.52	Andra Stroe Cristobal Sifon Shimwell Joshua George Albert Huub Rottgering Hoekstra H. John P. Hughes Felipe Menanteau	Sterrewacht Leiden Sterrewacht Leiden Leiden Leiden Leiden Sterrewacht Leiden Rutgers Rutgers	F	20	Andra Stroe Cristobal Sifon	none	Short spacing critical
27_052	Low frequency study of candidate mini-halos	Lijo Thomas George Ruta Kale Viral Parekh Dwarakanath K.S.	RRI NCRA Cape Town RRI	F	32	Lijo Thomas George	none	Correlator - 2 Sideband, Short spacing critical
27_053	Studying ionized gas content of the HII complex SH2-252 with GMRT.	Manash Ranjan Samal Jessy Jose Arti Goyal Devendra Kumar Ojha	Laboratoire IIA Jagiellonian TIFR	F	15.5	Manash Ranjan Samal Devendra Kumar Ojha	none	Correlator - 2 Sideband
27_054	HI 21-cm absorption follow-up of DLAs from SDSS BOSS	Neeraj Gupta Pasquier Noterdaeme Rajeshwari Dutta Raghunathan Srianand Patrick Petitjean hadi Rahmani	IUCAA IAP IUCAA IUCAA IAP IUCAA	F	24	Neeraj Gupta Pasquier Noterdaeme Rajeshwari Dutta hadi Rahmani	none	Correlator - High Res, Non standard frequency required
27_055	Radio activity in brightest group galaxies fade out as the halo ages?	Habib Khosroshahi Halime Miraghaei Mojtaba Raouf Erfan Nourbakhsh	IPM IPM IPM IPM	F	12	Habib Khosroshahi Halime Miraghaei Mojtaba Raouf	consultation	Correlator - 2 Sideband

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27_056	GMRT Observations of the Highly Eccentric Binary Millisecond Pulsar in NGC 6652	Megan DeCesar Scott M. Ransom Jayanta Roy Bhaswati Bhattacharyya David Kaplan Paul Ray	Wisconsin NRAO NCRA Manchester UC-Santa-Cruz NRL	F	30		consultation	Correlator - 2 Sideband, Phased array required, Integration time less than 8 seconds required for extended periods. 805.0GB Disk space required
27_059	GMRT observations of a rare radio-loud binary black hole encounter	Joydeep Bagchi Pratik Anand Dabhade BIJU.K.G Ashish Mahabal Nishchhal Verma	IUCAA PU WMOC Caltech IISER-K	F	16	Joydeep Bagchi Pratik Anand Dabhade BIJU.K.G	none	Correlator - 2 Sideband, Short spacing critical, Integration time less than 8 seconds required for extended periods.
27_062	Shadowing the Parkes high time resolution survey with GMRT	Ramesh Bhat Poonam Chandra Evan Keane	Curtin NCRA Swinburne	F	42	Ramesh Bhat Poonam Chandra	consultation	Correlator - 2 Sideband, Short spacing critical, Integration time less than 8 seconds required for
27_063	The Evolution of Spatial Structure of Spectral Index in Dead/Dying Radio Sources	Srikrishna Sekhar Shweta C.H. IshwaraChandra Ramana Athreya	IISER Pune IISER Pune NCRA IISER Pune	F	24	Srikrishna Sekhar	none	Short spacing critical, Integration time less than 8 seconds required for extended periods.
27_065	Low Frequency Observations of Isolated AGN in Voids	Mousumi Das Dwarakanath K.S. Preeti Kharb	IIA RRI IIA	F	12	Mousumi Das Dwarakanath K.S. Preeti Kharb	consultation	Correlator - 2 Sideband, Short spacing critical
27_067	STUDYING AGN DYNAMICS WITH THE S7-GMRT SEYFERT SAMPLE	Preeti Kharb S7 Seyfert Collaboration	IIA IIA		41.99	Preeti Kharb	consultation	Correlator - 2 Sideband
27_068	GMRT Participation in Exploring the Progenitors of Fast Radio Bursts	Ramesh Bhat Sarah Burke-Spolaor Poonam Chandra	Curtin Caltech NCRA	F	50	Ramesh Bhat Poonam Chandra	consultation	Correlator - 2 Sideband, Short spacing critical, Integration time less than 8 seconds required for
27_069	An extensive study of single pulse modulations of J1819+1305	Yogesh Maan	NCRA	F	7	Yogesh Maan	none	Correlator - 2 Sideband, Phased array required, Short spacing critical,
27_070	Mapping the spectral index of Galaxy Clusters with Radio Halos	Shweta Ramana Athreya	IISER Pune IISER Pune	F	48	Shweta	none	Correlator - 2 Sideband, Short spacing critical, Integration time less than 8 seconds required for

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