

**Cycle 30 Approved Proposals**

<b>Proposal No</b>	<b>Title Of Proposal</b>	<b>Authors</b>	<b>Affiliation</b>	<b>GMRT Array</b>	<b>Time Allotted</b>	<b>Person present for observations</b>	<b>Help required</b>	<b>Remarks</b>
30_005	XXL: The history of black hole growth and the nature of radio-mode AGN feedback: Final part	Vernesa Smolcic Huib T Intema Cathy Horellou Nikola Baran Somak Raychaudhury Jacinta Claire Delhaize Huub Rottgering Mark Birkinshaw Chiara Ferrari Sean McGee Malcolm Bremer Marguerite Pierre Cyril Tasse Wendy Williams Konstantinos Kolokythas Ray Norris P Ciliegi M Bondi Mladen Novak	AIfA NRAO CUT Sweden UniZg PRESIDENCY UniZg Leiden Bristol OCA Leiden Bristol CEA/SAp OP Leiden Birmingham ATNF OABO-INAF OABO-INAF UniZg	F	28.8	Somak Raychaudhury	none	
30_007	Observations of nearby edge on galaxies with the GMRT	David Declan Mulcahy Rainer Beck Aritra Basu Volker Heesen George Heald Ralf Juergen Dettmar Stefan Blex Sarrvesh SeethapuramSridhar Marita Krause Philip Schmidt	Manchester MPIfR-Bonn MPIfR-Bonn Southampton Astron AIRUB AIRUB Kapteyn MPIfR-Bonn MPIfR		30		none	

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30_012	Diffuse Radio Emission in an SZ mass-selected sample of ACTPol galaxy clusters	Kenda Knowles Andrew Jordan Baker Vijaysarathy Bharadwaj Neeraj Gupta Matt Hilton John P. Hughes Huib T Intema Kavilan Moodley Erik Reese Jon Sievers Cristobal Sifon Sinenhlanhla Precious Sikhosana Veeresh Singh Raghunathan Srianand Edward J. Wollack	UKZN Rutgers UKZN IUCAA UKZN Rutgers Leiden UKZN Penn CITA Sterrewacht Leiden UKZN PRL IUCAA NASA GSFC	F	32	Sinenhlanhla Precious Sikhosana	none	
30_013	GPS or not in radio pulsars J1740+1000 and B1800-21?	Karolina Rozko Wojciech Lewandowski Duncan Ross Lorimer Jaroslaw Kijak Rahul Basu Kaustubh Milind Rajwade	IAUZ IAUZ West Virginia IAUZ KIAUZ West Virginia	F	27	Karolina Rozko Rahul Basu	none	Phased array required, Short spacing critical, Integration time less than 8 seconds required for extended periods. 100.0GB Disk space required
30_015	High-Resolution Radio Continuum Observations of Galactic mid-infrared bubbles	Lokesh Kumar Dewangan Devendra Kumar Ojha Igor Zinchenko	PRL TIFR IAP RAS	F	24	Lokesh Kumar Dewangan Devendra Kumar Ojha	none	
30_016	Looking for direct evidence of accretion in HI-excess, passive galaxies	Katinka Gereb Barbara Catinella Luca Cortese Kenji Bekki Steven Janowiecki Virginia Kilborn	Swinburne ICRAR UWA UWA ICRAR Swinburne	F	50		consultation	Correlator - 2 Sideband, Short spacing critical

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30_018	Orbital Phase-Resolved radio observations of Wolf-Rayet Binary system WR 133	Himali Bhatt Sagar Vijay Godambe Subir Bhattacharyya Jeewan Chandra Pandey Nilay Bhatt	BARC ApSD-BARC BARC ARIES ApSD-BARC	F	48		none	
30_019	Re-observation of two massive and merging clusters belonging to an SZ-selected sample of galaxy clusters	Virginia Cuciti Gianfranco Brunetti Daniele Dallacasa Rossella Cassano Tiziana Venturi Ruta Kale	IRA-INAF INAF-IRA Bologna INAF-IRA INAF-IRA NCRA		16	Ruta Kale	consultation	Short spacing critical
30_020	The origin of the HI trail and ultra-steep radio structure in the NGC 5903/NGC 5898 group	Ewan O'Sullivan Nimisha Kantharia	CFA NCRA	F	48	Nimisha Kantharia	none	Correlator - 2 Sideband
30_021	Gas-scaling relations during the quenching phase	Ciro Pappalardo Luca Bizzocchi Jose Manuel Afonso Israel Matute	IA OAL IA IA	F	16	Ciro Pappalardo	consultation	Correlator - 2 Sideband
30_022	Investigation of Solar Noise Storms and Radio Bursts Using Simultaneous GMRT and CSRH Observations	Susanta Kumar Bisoi Yihua Yan Janardhan Padmanabhan Linjie Chen Prasad Subramanian Subramaniam Ananthakrishnan	NAOC NAOC PRL NAOC IISER Pune PU	F	24	Janardhan Padmanabhan Linjie Chen	consultation	Correlator - 2 Sideband, Short spacing critical, Integration time less than 8 seconds required for extended periods. 350.0GB Disk space required
30_024	Probing cluster mergers and group accretion in the Shapley Concentration Core	Tiziana Venturi Sandro Bardelli Daniele Dallacasa Gabriella DiGennaro Fabio Gastaldello Giacintucci Simona Mariachiara Rossetti	INAF-IRA OABO-INAF Bologna OABO-INAF IASF-Milano INAF Maryland IASF-Milano INAF	F	16		consultation	Correlator - 2 Sideband, Short spacing critical
30_025	Using polarized radio emission to understand the dynamics of the NGC 741 galaxy group	Ewan O'Sullivan Nimisha Kantharia Giacintucci Simona Daniele Dallacasa	CFA NCRA Maryland Bologna	F	10	Nimisha Kantharia	none	Correlator - 2 Sideband

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30_027	A deep investigation of the Cygnus region at decimeter wavelengths	Paula Benaglia C.H. IshwaraChandra Madhuri Gaikwad Natacha Laura Isequilla	IAR NCRA NCRA FCAG-UNLP	F	60	C.H. IshwaraChandra	none	Correlator - 2 Sideband
30_029	L-band uGMRT mapping of the Cartwheel ring galaxy	Y.D. Mayya C.H. IshwaraChandra Alka Mishra Jose Antonio Garcia	INAOE NCRA DDU IA-UNAM	null	8	C.H. IshwaraChandra Alka Mishra	none	Correlator - 2 Sideband
30_031	Environmental effects on HI in transition-phase galaxies in the Coma cluster	Laurie Riguccini Marco Grossi Karin Menendez-Delmestre Thiago Signorini Goncalves Bruno Coelho Raquel Santiago Nascimento Aldée Charbonnier	OV OV OV OV OV OV OV	F	24	Laurie Riguccini	friend	Correlator - 2 Sideband
30_032	HI 21-cm absorption from strong MgII systems	Rajeshwari Dutta Neeraj Gupta Raghunathan Srianand Ravi Joshi	IUCAA IUCAA IUCAA IUCAA	F	32	Rajeshwari Dutta Neeraj Gupta Raghunathan Srianand Ravi Joshi	none	Correlator - 2 Sideband, Non standard frequency required
30_033	Testing the non-thermal radio emission from the putative gamma-ray source WR 11	Paula Benaglia Santiago delPalacio C.H. IshwaraChandra Michael de Becker Peri	IAR IAR NCRA ULG IAR	F	22	C.H. IshwaraChandra	none	Correlator - 2 Sideband

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30_035	GMRT provides the evidence of metal-poor atomic gas inflow	Michal Jerzy Michalowski Gianfranco Gentile Jens Hjorth Mark Reuben Krumholz Nial Rahil Tanvir Mohit Satish Tanga Maarten Baes José María Castro_Cerón Valerio D'Elia Leslie Kipp Hunt Peter Kamphuis Thomas Kruehler Emeric Le Floch Daniele Malesani Halime Miraghaei Tara Murphy Ana Maria NicuesaGuelbenzu Eliana Palazzi Jesper Rasmussen Sandra Savaglio Patricia Schady Antonio deUgartePostigo Darach Watson	Edinburgh UGent Copenhagen ANU Leicester MPE UGENT ESAC INAF-OAR INAF-OAA NCRA MPE CEA-Saclay Copenhagen IPM Sydney TLS INAF IASF-Bologna Copenhagen Calabria MPE CSIC Copenhagen	F	26	Michal Jerzy Michalowski Peter Kamphuis	friend	Correlator - 2 Sideband
30_036	Long-term radio timing follow-up of third transitional redback millisecond pulsar J1227-4853	Jayanta Roy Paul Ray Bhaswati Bhattacharyya Ben Stappers Jayaram Narayanan Chengalur Sanjay S. Kudale Tyrel J. Johnson	Manchester NRL Manchester Manchester NCRA NCRA GMU	F	28	Jayanta Roy Bhaswati Bhattacharyya Jayaram Narayanan Chengalur Sanjay S. Kudale	none	Correlator - 2 Sideband, Phased array required

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30_037	GMRT High Resolution Southern Sky (GHRSS) survey for millisecond pulsars and transients : A SKA precursor survey	Bhaswati Bhattacharyya Jayanta Roy Ben Stappers Michael Keith Sally Cooper Mateusz Malenta Maura Ann McLaughlin Paul Ray Scott M. Ransom Jayaram Narayanan Chengalur	Manchester Manchester Manchester Manchester Manchester Manchester West Virginia NRL NRAO NCRA	F	50	Bhaswati Bhattacharyya Jayanta Roy Jayaram Narayanan Chengalur	none	Correlator - 2 Sideband, Phased array required
30_038	Regular timing of the pulsars discovered in the GMRT High Resolution Southern Sky (GHRSS) survey	Bhaswati Bhattacharyya Jayanta Roy Ben Stappers Michael Keith Sally Cooper Mateusz Malenta Maura Ann McLaughlin Paul Ray Scott M. Ransom Jayaram Narayanan Chengalur	Manchester Manchester Manchester Manchester Manchester Manchester West Virginia NRL NRAO NCRA	F	18	Bhaswati Bhattacharyya Jayanta Roy Jayaram Narayanan Chengalur	none	Correlator - 2 Sideband, Phased array required
30_041	Probing multiple episodes of AGN activity in a newly discovered triple-double radio galaxy J1216+0709 using GMRT multi-frequency observations	Veeresh Singh C.H. IshwaraChandra Preeti Kharb Shweta Srivastava	PRL NCRA IIA PRL	F	16	Veeresh Singh C.H. IshwaraChandra	none	Correlator - 2 Sideband, Short spacing critical
30_042	Probing multiple episodes of AGN activity in a newly discovered triple-double radio galaxy J1216+0709 using GMRT multi-frequency observations	Veeresh Singh C.H. IshwaraChandra Preeti Kharb Shweta Srivastava	PRL NCRA IIA PRL	null	10	Veeresh Singh C.H. IshwaraChandra	none	Correlator - 2 Sideband

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30_043	Towards high precision pulsar timing with the upgraded GMRT	Yashwant Gupta BHAL CHANDRA JOSHI Jayanta Roy Yogesh Maan Kishalay De Manjari Bagchi Prajwal Padmanabh Gopakumar Achamveedu Nikhil Vijay Naik	NCRA NCRA NCRA NCRA IISc IMSc BITS-PILANI Goa TIFR IIT, Kharagpur	null	118.8	Yashwant Gupta BHAL CHANDRA JOSHI	none	Correlator - 2 Sideband, Phased array required
30_045	Low-frequency radio observations of a hybrid blazar	Urszula Pajdosz Marian Soida Marek Jamrozy Lukasz Filip Stawarz Michal Ostrowski	Jagiellonian Jagiellonian Jagiellonian ISAS, JAXA Jagiellonian	F	18	Marek Jamrozy	consultation	Correlator - 2 Sideband, Short spacing critical
30_046	Spatial Distribution and Variability of the Non-Thermal Emission Associated with Proplyd-like Objects Near the Cygnus OB2 Region	Natacha Laura Isequilla Manuel Fernandez-Lopez Santiago delPalacio Paula Benaglia C.H. IshwaraChandra Nelida Mabel Gonzalez Estrella Guzmán Colque María Mercedes Vazzano	FCAG, UNLP IAR IAR IAR NCRA FCAG-UNLP FCAG-UNLP IAR	F	14	C.H. IshwaraChandra	none	Correlator - 2 Sideband
30_047	Gas Morphology and Dynamics of Blue Compact Dwarf Galaxies Involved in Dwarf-Dwarf Merging	Hongxin Zhang p a Duc Deidre Hunter Sanjaya Paudel Alessandro Boselli Patrick Cote Yu Gao Eric Peng Rory Smith	PUC CEA-Saclay Lowell KASI Laboratoire NRC PMO PKU Yonsei	F	12	Hongxin Zhang	consultation	Correlator - 2 Sideband, Short spacing critical, 52.0GB Disk space required
30_049	Deep Low-Frequency Observations of the Fading Radio Lobes in NGC3998	Kristina Nyland Preshanth Jagannathan Dharam Vir Lal	NRAO NRAO NCRA	null	20	Kristina Nyland Preshanth Jagannathan	none	Correlator - 2 Sideband

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30_050	Continuing observations for a Pilot proposal for an Indian Pulsar Timing Array (IndPTA)	BHAL CHANDRA JOSHI Gopakumar Achamveedu Manjari Bagchi Yogesh Maan ARUN KUMAR NAIDU Periasamy K. Manoharan Krishnakumar MA	NCRA TIFR IMSc NCRA NCRA NCRA NCRA	F	49	BHAL CHANDRA JOSHI Manjari Bagchi ARUN KUMAR NAIDU	none	Correlator - 2 Sideband, Phased array required, 900.0GB Disk space required
30_051	Non-thermal emission from protostellar jets	Peri Paula Benaglia Josep Marti C.H. IshwaraChandra J R Sanchez-Sutil	IAR IAR UJA NCRA UJA	F	12	C.H. IshwaraChandra	none	Correlator - 2 Sideband
30_052	Time resolved Spectral Energy Distribution of Cygnus X-1	A.R. Rao Sudip Bhattacharyya Santosh Vadawale Sachindra Naik KP Singh Debdutta Paul Gulab Chand Dewangan Dipankar Bhattacharya Ranjeev Misra C.H. IshwaraChandra C.S. Stalin Biswajit Paul	TIFR TIFR PRL PRL TIFR TIFR IUCAA IUCAA IUCAA NCRA IIA RRI	F	32		none	Correlator - 2 Sideband, Phased array required
30_053	Jet triggering mechanism in GRS 1915+105	A.R. Rao Santosh Vadawale Sachindra Naik Sudip Bhattacharyya KP Singh Gulab Chand Dewangan Dipankar Bhattacharya Ranjeev Misra C.S. Stalin Biswajit Paul C.H. IshwaraChandra Debdutta Paul	TIFR PRL PRL TIFR TIFR IUCAA IUCAA IUCAA IIA RRI NCRA TIFR	F	32		none	Correlator - 2 Sideband, Phased array required

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30_054	Probing the ionized gas environment around ultracompact HII regions	Jagadheep D Pandian Dharam Vir Lal	IIST NCRA		30		none	Correlator - 2 Sideband, Short spacing critical
30_055	A pilot project for scatter broadening measurements with the new L-band wide-band	Krishnakumar MA BHAL CHANDRA JOSHI Periasamy K. Manoharan	NCRA NCRA NCRA	null	14	Krishnakumar MA BHAL CHANDRA JOSHI	none	Correlator - 2 Sideband, Phased array required, 600.0GB Disk space required, Non standard frequency required
30_056	Exploring diffuse radio sources within MCXC cluster catalogue	Viral Parekh Dwarakanath K.S. Huib T Intema Ruta Kale	RRI RRI NRAO NCRA	F	12	Viral Parekh	consultation	Short spacing critical
30_057	Hi absorption towards Radio Loud Narrow Line Seyfert1 hosts	YOGESH CHANDOLA Minfeng Gu	NAOC SHAO	F	24	YOGESH CHANDOLA	none	Correlator - 2 Sideband, Short spacing critical
30_059	325 MHz observation of a recently discovered red quasar with multiple jet activity	Sumana Nandi Marek Jamrozy Josefin Larsson Blazej Stefan Nikiel- Wroczynski Rupak Roy	KTH Jagiellonian KTH Jagiellonian Stockholm	F	8	Sumana Nandi Rupak Roy	none	Short spacing critical
30_063	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	24	Mamta Pandey- Pommier	none	
30_065	A comprehensive high-resolution study of radio minihalos (II)	Giacintucci Simona Tiziana Venturi Ruta Kale	Maryland INAF-IRA NCRA	F	29		consultation	Correlator - 2 Sideband, Short spacing critical
30_066	The HI cosmic distance record through strong gravitational lensing	Roger Paul Deane Ian Heywood Danail Obreschkow Sandeep K. Sirothia	Rhodes ATNF ICRAR NCRA	N30	24	Roger Paul Deane	none	Correlator - 2 Sideband, Short spacing critical, Integration time less than 8 seconds required for extended periods. 200.0GB Disk space required

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30_067	Large-scale distorted jets in binary supermassive black hole candidates	Roger Paul Deane Sandeep K. Sirothia Tariq Dylan Blecher	University of Cape Town NCRA SKASA	N30	15		none	Correlator - 2 Sideband
30_068	%latex% The Spin Temperature of High-Redshift Damped Lyman- $\alpha$ systems	Nissim Kanekar Jayaram Narayanan Chengalur Jason X. Prochaska	NCRA NCRA UC-Santa-Cruz	F	64	Nissim Kanekar Jayaram Narayanan Chengalur	none	Correlator - 2 Sideband, Non standard frequency required
30_069	A GMRT search for HI-21cm emission from star-forming galaxies at $z \approx 1.3$	Nissim Kanekar Shiv Kumar Sethi Dwarakanath K.S.	NCRA RRI RRI	F	87	Nissim Kanekar Shiv Kumar Sethi Dwarakanath K.S.	none	Correlator - 2 Sideband
30_070	Characterising low frequency radio emission from ultracool dwarfs	Christene Lynch Tara Murphy Poonam Chandra David Kaplan	Sydney Sydney NCRA UWM	F	30	Christene Lynch Poonam Chandra	friend	Correlator - 2 Sideband
30_071	Search for HI 21-cm absorption in outer disks/halos of Local Volume Galaxies	Neeraj Gupta Raghunathan Srianand Rajeshwari Dutta Patrick Petitjean Pasquier Noterdaeme	IUCAA IUCAA IUCAA IAP IAP	F	64	Neeraj Gupta Raghunathan Srianand Rajeshwari Dutta	none	Correlator - 2 Sideband, 70.0GB Disk space required, Non standard frequency required
30_072	Hi absorption towards WISE late type Radio Loud AGNs	YOGESH CHANDOLA D.J. Saikia Di Li	NAOC NCRA NAOC	F	36	YOGESH CHANDOLA	none	Correlator - 2 Sideband, Short spacing critical, 100.0GB Disk space required
30_073	GMRT 610 MHz radio halo pilot survey of SDSS galaxy groups	Surajit Paul Marcus Bruggen Annalisa Bonafede PRATEEK GUPTA Venkat Vijendra Punjabi Reju Sam John	PU Hamburg Hamburg PU Pune PEC	F	16	Surajit Paul Marcus Bruggen Annalisa Bonafede PRATEEK GUPTA Venkat Vijendra Punjabi Reju Sam John	none	Correlator - 2 Sideband, Short spacing critical
30_074	Microstructure Emission in Pulsars: Moving to the u-GMRT	Kishalay De Yashwant Gupta	IISc NCRA	null	15	Kishalay De Yashwant Gupta	none	

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30_077	Imaging Observations of Circularly Polarized Emission from Solar Transients at Decimeter Wavelengths using uGMRT	Anshu Kumari Hariharan Krishnan Kathiravan C	IIA IIA IIA	null	32	Anshu Kumari Hariharan Krishnan	friend	Correlator - 2 Sideband, Integration time less than 8 seconds required for extended periods.
30_078	Cold gas in compact sources at high redshifts	Aditya JNHS Nissim Kanekar	NCRA NCRA	null	34	Aditya JNHS	none	Correlator - 2 Sideband
30_079	Studying Outflows in the S7-GMRT-II Seyfert Sample	Preeti Kharb PAVANA Muralimohan Prajval Shastri S7 Seyfert Collaboration	IIA IIA IIA IIA		36	PAVANA Muralimohan	consultation	Correlator - 2 Sideband
30_080	Pilot observations of Abell 2256 with the uGMRT system	Ruta Kale	NCRA	null	10		consultation	Correlator - 2 Sideband
30_081	HI 21cm Observations of Gas-Rich Lenticulars	arunima banerjee	IUCAA	F	16		none	Correlator - 2 Sideband, Short spacing critical
30_082	Deciphering the jet morphologies of new Giant Radio Galaxies	Madhuri Gaikwad Pratik Dabhade Joydeep Bagchi	NCRA IUCAA IUCAA	F	28	Madhuri Gaikwad Pratik Dabhade	none	Correlator - 2 Sideband
30_084	uGMRT Search for 21-cm in $H_2$ bearing systems at $z \sim 2.0-2.6$	Raghunathan Srianand Neeraj Gupta Rajeshwari Dutta Ravi Joshi Patrick Petitjean Pasquier Noterdaeme	IUCAA IUCAA IUCAA IUCAA IAP IAP	null	31	Raghunathan Srianand Neeraj Gupta Rajeshwari Dutta Ravi Joshi	consultation	Correlator - 2 Sideband
30_085	Low frequency nature of Bright Galaxies in cluster environment	Stephen Hamer Mamta Pandey-Pommier Alastair Edge David Lagattuta	CRAL CRAL Durham CRAL	null	40	Mamta Pandey-Pommier	none	
30_086	Chasing the pulsar emission mechanism via sub-pulse drifting	Ramesh Bhat Avinash Anant Deshpande Samuel James McSweeney Stephen Ord Steven Tremblay	Curtin RRI Curtin ATNF Curtin	F	7	Avinash Anant Deshpande	consultation	480.0GB Disk space required

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30_087	Simultaneous Radio (GMRT), Optical (ARIES telescope) and X-ray (ASTROSAT) Observations of Crab Pulsar	Sachindra Naik A.R. Rao Dipankar Bhattacharya BHAL CHANDRA JOSHI Biswajit Paul Santosh Vadawale Vishal R Gajjar <del>Prakash Kumar</del>	PRL TIFR IUCAA NCRA RRI PRL NCRA ARIES	F	6		none	Correlator - 2 Sideband, Phased array required, Short spacing critical, 120.0GB Disk space required
30_089	A metrewavelength survey of nearby large galaxies with uGMRT	Subhashis Roy	NCRA	null	10	Subhashis Roy	none	Correlator - 2 Sideband
30_090	Tracing the footprints of various types of core collapse supernovae environments at low frequencies	Nayana AJ Poonam Chandra	NCRA NCRA	null	36	Nayana AJ Poonam Chandra	none	
30_091	The Unprecedented Metamorphosis of SN 2014C: from a Hydrogen-stripped to a Strongly Interacting SN	Atish Kamble Poonam Chandra Nayana AJ Alicia Margarita Soderberg Sayan Chakraborti Raffaella Margutti	CFA NCRA NCRA CFA CFA CFA	F	9	Poonam Chandra Nayana AJ	none	Correlator - 2 Sideband
30_093	Deep HI observations of Malin 1	Marc Verheijen Filippo Fraternali Federico Lelli sancisi	Kapteyn Bologna CWRU Bologna	F	55	Marc Verheijen	consultation	Correlator - High Res, Short spacing critical
30_096	Evaluation of dawn-dusk electric field on the Jovian radiation belt based on GMRT, Juno, and Hisaki	Hajime Kita Hiroaki Misawa Anil Bhardwaj Fuminori Tsuchiya Go Murakami Tetsuro Kondo SEKIDO MAMORU	Tohoku Tohoku SPL-VSSC Tohoku ISAS, JAXA NICT NICT	F	20		consultation	Short spacing critical
30_097	Long-duration Study of Subpulse Modulations in Pulsars	Yogesh Maan	NCRA	F	14	Yogesh Maan	none	Short spacing critical, Integration time less than 8 seconds required for extended periods. 500.0GB Disk space required