

	22/9	23/9	24/9	25/9	26/9	
8h30-9h	Badge pickup Entrega de Crachá					
9h-9h15	Openning Abertura	Ondas de gravidade observadas na Mesosfera sobre o Brasil Dr. Cristiano Wrasse (INPE)	Acelerador Pelletron Departamento de Física Nuclear USP	Desenvolvimento e escrita de artigos científicos no contexto internacional Dra. Láysa Cristina Araújo Resende Chagas (INPE/CBJLSW)	O desenvolvimento de satélites no INPE Dr. Ronan Arraes Jardim Chagas (INPE)	
9h15-9h30	Aplicando Redes Neurais Informadas pela Física (PINNs) à Extrapolação do Campo Magnético Solar: O Teste da AR 11158 Bruno Fernandes Garcia (INPE)					
9h30-9h45	Space Generation			Atmospheric Electricity Research at CRAAM: Toward Regional and Global Applications Rubén Mauricio Romero Ramírez (CRAAM)	Polo Astronômico Rodolpho Caniato: um espaço de ensino, divulgação e popularização da ciência Dr. Michel Corci Batista (UTFPR) (online)	Analysis of plasmaspheric density during plume formation under geomagnetic storm conditions and quiet-time periods Pedro Henrique Ferreira Fister (INPE)
9h45-10h	What is Magnetic Field Reconnection? Dr. Vitor Moura Cardoso e Silva Souza (IFBA)			Derivation of GNSS-Based Ionospheric Indices Using the OASIS Python Toolbox Dr. Giorgio Arlan da Silva Picanço (online)	Poster session Sessão de pôster	Dynamic Boundaries: Tracking the Magnetopause Response to Solar Wind Variations Dr. Marcos Vinicius (USP)
10h-10h15						
10h15-10h45	Coffee Break	Coffee Break		Coffee Break	Coffee Break	
10h45-11h	Orbital Engenharia	Infraestrutura observacional e tecnológica para a astrofísica Dr. Luciano Fraga (LNA)		From Geomagnetic Pulsation Monitoring to GIC Research: Advancing Space Weather Understanding in Brazil Dr. José Marchezi (INPE)	Physical approximations for deduction of Vlasov-Maxwell Tensor and its relation to the Magnetic Signature of Extraordinary Slow Mode Waves Laíne Bengo Soares Rosales (INPE)	
11h-11h15	Outer Radiation Belt Dynamics During Extended Quiescent Relativistic Electron Flux Periods in Different Phases of Solar Cycle 24 Edu Pacheco Rockenbach (INPE)				Impact of CME on Solar Wind Multifractality Alexandre José Ranieri Sacata Diogo (INPE)	
11h15-11h30	Efeitos da radiação cósmica no meio aeronáutico: projetos e pesquisa da FAB Dr. Claudio Federico (IEAv)	Observed Temporal Delays in Solar Flares: Linking Flares Class and Loop Length Solomon Mathai Perriyil (CRAAM)			Study Luminosity of Positive Leaders With and Without Recoil Leaders João Carlos Martins Alves (INPE)	A Comparative Study of U-Net and DeepLabV3 for Safe Landing Site Classification on Comet 67P Luísa Mirelle Costa dos Santos (INPE)
11h30-11h45		EMBRACE: Ciência, Serviços e Oportunidades a Novos Pesquisadores no Clima Espacial Dr. Joaquim Eduardo Rezende Costa (INPE)			Como preparar um projeto para buscar recursos nas fontes de fomento à pesquisa? Dra. Maria Paulete Pereira Martins (INPE)	The end of our access to the Universe: electromagnetic, light and spatial pollution Tânia Dominici (INPE)
11h45-12h	BIZU Space					
12h-13h00	Lunch (12h - 13h)	Lunch (12h - 13h)		Lunch (12h - 13h)	Closing and Lunch	

13h00-13h15	Our ongoing research on Magnetosphere Dra. Flávia Cardoso (USP)	Solar white light flares: observational and modeling challenges Dr. Paulo Jose de Aguiar Simoes (Mackenzie)		Reator Nuclear Instituto de Pesquisas Energeticas e Nucleares	Workshop: Introduction to Machine Learning Dr. Marcos William da Silva Oliveira (IFSP), Dra. Rosemeire Aparecida Rosa Oliveira (INPE)	Graduation Ceremony of the New Masters and Doctors in Space Geophysics Cerimônia de Formatura dos Novos Mestres e Doutores em Geofísica Espacial
13h15-13h30						
13h30-13h45	Construindo Propostas Competitivas em Pesquisa Dr Sergio Fontes (ON) (online)	UNIVAP: Pesquisa, Inovação e Oportunidades Dr. Alan Prestes				
13h45-14h						
14h-14h15	Evening-side inhibition of equatorial plasma bubbles during the December 2015 geomagnetic storm over the Brazilian equatorial sector Luiz Fillip Rodrigues Vital	Novidades Solares Dr. José Roberto Ceccato (INPE) (In-person participants only)				
14h15-14h30	Ionospheric response of May and October 2024 geomagnetic storm Chukwuma Moses Anoruo (UNIVAP)					
14h30-14h45	Studies of the Dayside Solar Wind-Magnetosphere Interaction at NASA’s Goddard Space Flight Center Dr. David Sibeck (NASA) (online)	Engineering and Science: Brazilian Instruments for the SelenITA Lunar Mission Dr. Felipe Tavares (In-person participants only)				
14h45-15h						
15h-15h30	Coffee Break	Coffee Break				
15h30-15h45	Remarks by student representatives Pronunciamento dos representantes discentes	Prêmio GSST				
15h45-16h	Roundtable with Early-Career Researchers at INPE Mesa redonda com os Pesquisadores em início de carreira no INPE	Round table with retired scientists Mesa Redonda com pesquisadores aposentados Dra. Inez Staciarini Batista e Dr. Paulo Prado Batista				
16h-16h15						
16h15-16h30						
16h30-16h45	Moderators Mediadores: Dr. Joaquim e Dr. Alisson	Moderator Mediadora: Dra. Eliah				
16h45-17h						
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20-21h				Visit to INPE’s Mini-Observatory Visita ao Miniobservatório do INPE (Limited to 25 participants Limitado a 25 pessoas)		

Poster session Sessão de pôster	Poster presenter
Comparative Analysis of Waveguide Core Materials for Thermo-Optic Sensors in Solar Radiometry	Adriany Rodrigues Barbosa
Validação Experimental e Simulação de Correntes Geomagneticamente Induzidas em Sistemas Elétricos Utilizando ATPDraw	Christian Henrique de Oliveira Lamin
Estimating Atmospheric Turbulence (Cn ²) at Astronomical Sites Using Meteorological Data and Machine Learning	Edith Tueros Cuadros
Automated Detection and Characterization of Meteor Trails in Dual-Wavelength Sodium and Potassium LIDAR Data Using a Convolutional Neural Network	Femi Olajide-Owoyomi
A Review on Whistler Waves in Magnetic Field Switchbacks in the Young Solar Wind	Gislayne Medeiros da Nóbrega
Exploring the solar wind drivers for Pc5 pulsations over the South Atlantic Magnetic Anomaly	Jayne Alencar de Melo
Detectability of Sporadic E Layers Using GNSS-Derived Parameters and Their Investigation	Jaziel Felipe Braga Campelo
Upgrade of the Muon Detector at the Southern Space Observatory	Jesus Alberto Nunez
Estimativa e Representação do campo Geoelétrico Induzido por variações Geomagnéticas	Jorge Camasmie Nunes
A simple unsupervised classification approach in the solar photosphere using spectropolarimetry data obtained by the SOT/SP instrument of the HINODE mission	José Matheus da Silva Rocha
Injection dynamics in the magnetosphere during cir- and icme-driven substorms	Karen Júlia Coldebella Ferreira
Modeling Dual-Mode Co-Seismic Ionospheric Disturbances from the 2010 Chile Earthquake Using Seismo-Atmospheric-Ionospheric Coupling	Oluwasegun Micheal Adebayo
The Sun as a thematic axis in physics teaching	Patricia Rodrigues Silva
Comparative Study of the Thermo-Optical Effect on Lithium Niobate Using Mach-Zehnder Interferometry	Pedro Henrique Soares Cesar
Flux Transfer Events spatial distribution at Earth's dayside magnetopause and their cross-section determination	Rafael Godoi Cutait
An AI-Driven “Extra Output Video” PoC for EMBRACE-INPE: End-to-End Regression and LSTM Forecasts of a Geomagnetic Index	Reinaldo Roberto Rosa
The Relation between the Power-law parameters and decorrelation time of the Scintillation Signals observed by Cachoeira Paulista – Brazil GNSS Stations	Roberto Livy Gomes Madeira
Comparative Analysis of Solar Flare Emissions with Chandrayaan-2 XSM and Aditya-L1 SoLEXS	Soumya shree sadangaya
Bore mesospheric large-scale, in Brazil	Suallyson Sômston A. da Cruz
A Machine Learning Approach to Space Weather	Thiago Moeda Sant Anna