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International Beacon Satellite Symposium 2025 | (smr 4068)

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A2 - Theory, Modeling and Measurements of Ionospheric Scintillations and Irregularities - (09:00-16:00)

For oral presentations rules please click on [THIS LINK](https://bss2025.ingv.it/authors-guidelines/).

time	title	presenter
09:00	On the Impact of Power-Law Electron Density Spectra on Ionospheric Scintillation	ABDELHAQ HAMZA
09:20	Non-Gaussian Features in Ionospheric Scintillation	KARIM MEZIANE
09:40	ScintPi contributions to observations and studies of ionospheric irregularities and scintillation	FABIANO DA SILVEIRA RODRIGUES
10:00	Challenges Associated with Geolocating ionospheric Irregularities along Radio Occultation Ray-paths at Mid- and High-Latitudes	CHARLES SALVATORE CARRANO
10:20	Combined Usage of Equatorial Plasma Bubble Plume Geometry Scenario Simulator and Long-term Empirical Occurrence Climatology	REZY PRADIPTA
10:40	Coffee break	
11:20	Extreme Scintillation Observed During May 24 Geomagnetic Storm	CHARLES LAWRENCE RINO
11:40	GNSS scintillation from artificially modified ionosphere at high latitudes	HIROATSU SATO
12:00	Investigating the turbulent nature of low latitude GNSS scintillation with a multiscale approach	LUCA SPOGLI
12:20	Radiowave Scintillation and Polar Cap Ionization Structures	JAYACHANDRAN PERIYADAN THAYYIL
12:40	Lunch and Poster session 1	
14:20	TEC depletions, S4 indices, and equatorial plasma bubbles	CESAR ENRIQUE VALLADARES
14:40	The application of the random phase gradient screen method in scintillation modeling and GNSS satellite availability studies	DMYTRO VASYLYEV
15:00	GD: An accurate, cost-effective, and real-time capable solution for scintillation monitoring using GNSS measurements	YU YIN
15:20	Coffee break	