

Oral Communication 1 / 9:30 - 10:30

Room 1 - UV and Soft X-ray

Chair: Marcelo

	Title	Author
9:30 - 9:50	Present and future developments for UV-VUV science at LNLS	Douglas Galante
9:50 - 10:10	The use of synchrotron radiation in Astrobiology: Lithopanspermia studies and the Biosun project	Ximena C. Abrevaya
10:10 - 10:30	Electronic Structure of the SrTi1-xRuxO3 Series	Eduardo Guedes

Room 2 - X-Ray Absorption and Fluorescence Spectroscopy

Chair: Edenir

	Title	Author
9:30 - 9:50	Phosphorus speciation during the production of phosphate fertilizers using a metallurgical acid residue	Leonardus Vergütz
9:50 - 10:10	Short-range order study around Iron atoms: Crystallization Process in glassy samples followed by X-ray absorption spectroscopy	VALMOR MASTELARO
10:10 - 10:30	XANES and micro-XRF spectroscopies for chemical characterization of fossil samples	Lara Maldanis

Room 3 - XRD

Chair: Fábio

	Title	Author
9:30 - 9:50	STRUCTURAL 3 D CHARACTERIZATION OF SILICA, ZIRCONIA AND TITANIA MONOLITHS FOR CAPILLARY LIQUID CHROMATOGRAPHY	Carla Grazieli Azevedo da Silva
9:50 - 10:10	In situ study of austenite decomposition during thermal cycles and under application of stress in ferrous alloys	Arthur Seiji Nishikawa
10:10 - 10:30	Structure, activity and reaction mechanism of NahK and its complex with NahL	Samuel Leite Guimarães

Room 4 - Small Angle X-Ray Scattering

Chair: Mário

	Title	Author
9:30 - 9:50	Grazing-incidence X-ray scattering studies of myelin membranes at air/water interface	Antonio Augusto Malfatti Gasperini
9:50 - 10:10	Real Time Monitoring Nanoparticles Distance and Structure upon Different Variables	Francisco Ibañez
10:10 - 10:30	Python as a tool for analyze X ray small angle scattering data	Cristián Huck-Iriart

Oral Communication 2 / 11:00 - 12:40

Room 1 - UV and Soft X-ray

Room 2 - X-Ray Absorption and Fluorescence Spectroscopy

Chair: Manoel

Chair: Valmor

Title

Author

Title

Author

11:00 - 11:20	Degradation of carotenoid of poly-resistant bacterium <i>Deinococcus radiodurans</i> on simulated environments with applications in astrobiology	Tamires M. Gallo	11:00 - 11:20	Magnetic moment of Fe ₃ O ₄ films with thicknesses near the unit-cell size	Gustavo Foscolo de Moura Gomes
11:20 - 11:40	Core level and valence band electronic structure of Sr ₂ FeMoO ₆	Henrique Perin Martins	11:20 - 11:40	Electronic Studies on Coordination Metal Complexes with Xanthates Ligands: S, Ni and Mn K-edge XANES	Rosana Mariel Romano
11:40 - 12:00	Ultrafast charge transfer dynamics and morphological investigation in thermal annealed donor-acceptor copolymer and fullerene: F8T2 and F8T2:PCBM films	Yunier Garcia Basabe	11:40 - 12:00	THERMAL TRANSFORMATIONS METAKAOLIN – SPINEL TYPE ALUMINOSILICATE: Al and Si K-XANES CHARACTERIZATION	Felix G. Requejo
12:00 - 12:20	X-ray back-diffraction pointing to a target soft inelastic X-ray scattering spectrometer	Edson Massayuki Kakuno	12:00 - 12:20	Solving the structure of bimetallic particles with EXAFS	Jose Martin Ramallo Lopez
12:20 - 12:40	Application of XANES spectroscopy to investigate Sb species in corroded bullets crust material oriented to evaluate the potential toxic effects in the environment	MARIA FERNANDA MERA	12:20 - 12:40	Temperature and high-pressure dependent X-ray absorption of SmNiO ₃ at the Ni K- and Sm-L ₃ edges	Nestor E. Massa

Room 3 - XRD

Room 4 - X-Ray Absorption and Fluorescence Spectroscopy

Chair: Alexandre

Chair: Edenir

Title

Author

Title

Author

11:00 - 11:20	Refinement of single crystal structures by X-ray multiple diffraction	Cláudio Márcio Rocha Remédios	11:00 - 11:20	In situ SR μ XRF analysis of Pb in plants used for phytoextraction of soil pollutants	MARIA FERNANDA MERA
11:20 - 11:40	Identification of the substrate binding sites in Actinobacteria sulfotransferase Cpz8	Bruna Domingues Vieira	11:20 - 11:40	HEAVY METALS MEASUREMENT IN SANDY BEACHES: INFLUENCE OF THE BENTHIC FAUNA ASSOCIATED	Rodolfo M. M. Ribeiro
11:40 - 12:00	Characterization of nanostructured A _{1-x} Sr _x Fe _{0.8} Cu _{0.2} O _{3-d} perovskites (A=La, Ba) as IT-SOFC cathodes	Leopoldo Suescun	11:40 - 12:00	Spectroscopic characterization of the interface semiconductor/active layer in sensors based on DNA	Maria Oneide Silva de Moraes
12:00 - 12:20	Iterative Reconstruction of Tomographic Images Using Accelerated Projection/Backprojection Techniques	Elias Salomão Helou Neto	12:00 - 12:20	Extreme UV and Selective Inner-Shell Fragmentation Studies of Novel Polymeric Resist Materials	Daniel Eduardo Weibel
12:20 - 12:40	Atomic Pair Distribution Function at LNLS: A New Tool for Material Science	Martín Eduardo Saleta	12:20 - 12:40	-	-