

Sunday 18/05

15:30-18:00

Arrival

Monday 19/05

8:00-8:45

Registration

8:45-9:00

Welcome from the CBPF Director; Opening

9:00-9:20

Frederica Bianco

Rubin Overview

9:20-9:50

Armin Rest

Invited Speaker

9:50-10:10

David Buckley

The SALT Transient Programme and future plans for LSST followup

10:10-10:30

Naoki Yasuda

Subaru/PFS follow-up of Rubin/LSST transient

10:30-11:00

Coffee Break

11:00-11:20

Felipe Navarete

Time-Domain and Multi-Messenger Astronomy with SOAR and Gemini telescopes

11:20-11:40

Simran Kaur

Quantifying the Impact of Standard Sirens for DESC Cosmology Results in the LSST era

11:40-12:00

Lulu Fan

Application of LSST pipeline to the 2.5m Wide Field Survey Telescope

12:00-12:30

Lightning Talks (4 min+1)

Giuseppe DiIillo

A Bridge from Gamma to Optical: a software pipeline for searching optical counterparts to high-energy transients in LSST data

Steven Dillmann

Representation Learning for X-ray transients

Rodrigo da Mata

The Progenitor of GRB 230307A: Insights Through Bayesian Analysis

Raquel Ruiz Valença

Toward the identification of AGNs with anomalous variability using machine learning

Radostin Kurtev

YSOs with ALerCE

Chow-Choong Ngeow

LSST Alert Brokers and Periodic Variable Stars: A Comparison

12:30-14:00

Lunch

14:00-14:30

Vincenzo Petrecca

Invited Speaker

14:30-14:50

Lukasz Wyrzykowski

BHTOM.space telescope network for LSST time-domain science

14:50-15:10

Nozomu Tominaga

Multi-messenger astronomy with Rubin/LSST and Subaru/PFS

15:10-15:30

Anais Möller

Photometric classification and supernovae in Rubin

15:30-16:10

Coffee Break

16:10-16:40

Martin Makler

Invited Speaker

16:40-17:00

Karen Daiana Nowogrodzki

Microlensing with LSST: Classification, simulation, and follow-up observations

17:00-17:20

Ana Sainz de Murieta

Searching for lensed supernovae with Rubin

17:20-17:40

Anibal Varela

Assessing the combination of Vera Rubin and Nancy Grace Roman observatories for enhanced characterization of microlensing events

17:40-18:00

Discussion

18:00

Wellcome Cocktail

Tuesday 20/05

9:00-9:30	Paula Sanchez	Invited Speaker
9:30-9:50	Bernardo Fraga	Transient classifiers in Fink: preparations for LSST
9:50-10:10	Gabriel Teixeira	Early Inference of Supernova Light Curve Parameters with Physics-Informed Neural Networks
10:10-10:30	Clecio Bom	AI-Enhanced Astronomical Data Hub: Application to time-domain Astronomy
10:30-11:00	Coffee Break	
11:00-11:20	Siddharth Chaini	Machine learning with distance metrics to detect anomalies in the time-domain
11:20-11:40	Nicolò Oreste Pincirolì Vago	Counting objects with multimodal multi-output ordinal regression
11:40-12:00	Rafael S. de Souza	A graph-based spectral classification of Type II supernovae
12:00-12:20	Aidan Sedgewick	AAS2RTO: Automated Alert Streams to Real-Time Observations: Preparing for rapid follow-up of transient objects in the era of LSST
12:20-12:45	Lightning Talks (4 min+1)	
	Felipe Almeida-Fernandes	Characterizing Interstellar Objects with LSST: Age Determination and Ejection Mechanisms
	Nora Sherman	The Dark Energy Bedrock All-Sky Supernovae Survey
12:45-14:00	Lunch	
14:00-14:30	Priscila Pessi	Invited Speaker
14:30-14:50	Ashish Mahabal	ML-Driven Time-Domain Strategy with LSST, ZTF, and Roman
14:50-15:10	Mariella Zampella	Embedding-Based Prediction of Supernova Progenitors with Generative Adversarial Networks
15:10-15:30	Emille Ishida	The Fink broker: a personalized window to the transient sky through LSST
15:30-16:00	Coffee Break	
16:00-16:20	Wynn Jacobson-Galan	Infant Supernovae and Precursor Emission with Rubin
16:20-16:40	Gastón Folatelli	Very early monitoring of Type II supernovae by the POISE program
16:40-17:00	S. Karthik Yadavalli	Beyond One-Zone Models: Radiative Transfer Modeling of LSST Stripped Envelope Light Curves
17:00-17:20	Tobias Géron	Quantifying detection thresholds using Rubin pipelines to constrain pre-SN variability
17:20-17:40	Lingzhi Wang	Formation of CO and Dust in Supernovae
17:40-18:00	Willow Fortino	How Low Can We Go: Minimum Spectroscopic Requirements for Supernova Subtype Classification

Wednesday 21/05

9:00-9:20	Shreya Anand	A realtime kilonova classifier for gravitational wave counterpart searches
9:20-9:50	Igor Andreoni and Shreya Anand	The Status of TVS and ToO Observations with Rubin
9:50-10:30	Discussion Session	
10:30-11:00	Coffee Break	
11:00-12:30	Mentoring Workshop sponsored for TVS by the LSST Discovery Alliance (recommended for postdocs, faculty, staff) Trained facilitators: Silvia Piranomonte, Alex Malz and Igor Andreoni	
12:30-14:00	Lunch	

Thursday 22/05

9:00-9:30	Robert Stein	Invited Speaker
9:30-9:50	Juan C. Rodríguez-Ramírez	Multimessenger Associations Driven by Binary Black Hole Mergers
9:50-10:10	Phelipe D'arc	Searching for Electromagnetic Counterparts to Gravitational Wave Event S231206cc: A STEP-GW follow-up analysis
10:10-10:30	Nikhil Sarin	From TDEs and supernovae to GRB afterglows: Redback: A Bayesian inference software package for electromagnetic transients
10:30-11:00	Coffee Break	
11:00-11:20	Tomas Ahumada	Searching for gravitational waves with the Zwicky Transient Facility
11:20-11:40	Eleonora Troja	Kilonova Detectability with Wide-field Instruments
11:40-12:00	Camilo Delgado-Correal	Theoretical Modeling of GRB Afterglows to be used for future analysis of Rubin/LSST Data
12:00-12:20	Miguel Quartín	Reaching precision cosmology faster with velocities
12:20-12:30	Lightning Talks (4 min+1)	
	Enrique Solano	Discovery and characterization of Cataclysmic Variable stars using ZTF and the Virtual Observatory
	Isabel de Jesus Lima	Search for new magnetic cataclysmic variables
12:30-14:00	Lunch	
14:00-14:30	Anna Ho	Invited Speaker
14:30-14:50	Shar Daniels	Fast Transients: LSST's Discovery Capabilities
14:50-15:10	Cristina Andrade	The Effect of Vera C. Rubin Observatory Cadence Selections on Kilonova Detectability
15:10-15:30	Cassie Sevilla	Multi-wavelength analysis of four luminous, fast blue optical transients
15:30-16:00	Coffee Break	
16:00-16:20	Rahul Jayaraman	Synergies between LSST and TESS for Fast Transients
16:20-16:40	Phil Wiseman	Ambiguous Nuclear Transients in ZTF and LSST: Threading the eye of the needle in a haystack
16:40-17:00	Yuhan Yao	Unveiling Wandering Black Holes with Off-Nuclear Tidal Disruption Events in the Rubin Era
17:00-17:20	Davi Rodrigues	On the host of the Gamma Ray Burst GRB230207A
17:20-17:40	Zhen Guo	Eruptive Young Stars in the Era of Time-Domain Astronomy
17:40-18:00	Susmita Sett	Exploring LSST's capabilities for detection of outbursts in low-mass X-ray binaries

Friday 23/05

9:00-9:30	Alex Razim	Invited Speaker
9:30-9:50	Arihant Tiwari	Spectroscopic Quasar Anomaly Detection (SQuAD): I: Rest Frame UV Spectra from SDSS DR 16
9:50-10:10	Luiz Matheus Dourado Sanches	Optical Variability Analysis of Low-Redshift Quasars ($0.4 < z < 0.5$) with ZTF and Future Prospects for LSST
10:10-10:30	Hygor Gonçalves	Revealing the Central Engine of Quasars from AQMES MEDIUM Sample with the ZTF and LSST
10:30-11:00	Coffee Break	
11:00-11:20	Sebastián Rueda-Blanco	An overview of SED fitting and its application to study evolutionary stages of AGNs for future uses in Rubin/LSST data
11:20-11:40	Viraj Karambelkar	Combining Rubin with infrared time-domain surveys to study common-envelope evolution
11:40-12:00	Johnny Esteves	Towards One Mili-Mag Photometric Precision

12:00-12:20	Giuliano Iorio	Young(?) and (Metal-)Rich RR Lyrae stars: an interesting scientific case for LSST
12:20-12:40	Alessandro Salvatore Tramuto	Preparing for Rubin LSST with DECam Data: Mapping Stellar Populations in the Carina Nebula
12:40-13:00	Alex Malz	TDastro: Community-driven light curve modeling for LSST
13:00	Workshop Closure	