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08/2021	PhD in Gravitational Waves Astrophysics University of Zurich Advisor: Prof. D	r. Lucio Mayer
09/2018	Master of Science in Physics with distinction 12/2020 ETH Zurich Advisor: Prof. Dr. Lavi Relativistic, ghost-free, and covariant hybrid model for MOND:	0
07/2014	Bachelor of Technology in Engineering Physics IIT Delhi Advisor: Prof. Geodesics near a charged black hole in $\left(R \pm \mu^4/R\right)$ gravity	GPA: 8.15/10 Dr. Ajit Kumar
SELECTED	Talks/Presentations	
10/2024	CTC Theory Seminar University of Maryland TBD^{\dagger}	College Park
09/2024	LISA Lunch NASA Goddard TBD^{\dagger}	Greenbelt
09/2024	Astro Coffee Princeton University TBD^{\dagger}	Princeton
09/2024	Astro Seminar Columbia University TBD^{\dagger}	NYC
09/2024	Monday Afternoon Talks MIT Kavli Institute for Astrophysics and Space Research TBD^{\dagger}	Boston
09/2024	Meeting: The Swiss Physical Society ETH Zurich TBD^{\dagger}	Zurich
08/2024	Conference (Invited) : New ideas on the origin of BH mergers Niels Bohr Institute <i>Astrophysical signatures on the LISA data stream from MBHBs</i>	Copenhagen
07/2024	15 th LISA Symposium University College Dublin Poster: Astrophysical signatures on the LISA data stream from MBHBs	Dublin
06/2024	Seminar: GRAPPA University of Amsterdam Astrophysical signatures on the LISA data stream from MBHBs	Amsterdam
06/2024	LISA community Call Measuring eccentricity and gas from GWs of LISA MBHBs	Online
05/2024	Seminar: MPA Cosmology Max Planck institute for Astrophysics Astrophysical signatures on GWs from LISA MBHBs	Garching

02/2024	Seminar: DAMTP General Relativity University of Cambridge Cambridge Astrophysical signatures on the LISA data stream from MBHBs
09/2023	Meeting: LISA Astrophysics Working Group University of Milano-Bicocca Milan The minimum measurable eccentricity from GWs of LISA MBHBs
09/2023	Meeting: The Swiss-Austrian joint Physical Society University of Basel
07/2023	Conference: Gravitational-wave populations: what's next? University of Milano-Bicocca The measurability of gas and eccentricity from GWs of LISA MBHBs
07/2023	Call: LISA data challenge working group Online Measuring eccentricity from GWs of LISA MBHBs
11/2022	Conference: LISA data analysis: classical methods to machine learning CNRS, L2IT, APC, CEA, and CNES The imprint of Gas on GWs from LISA IMBH Binaries Toulouse
09/2022	Conference: Origin, growth and feedback of black holes in dwarf galaxies Donostia International Physics Center San Sebastian The imprint of Gas on GWs from LISA IMBH Binaries
05/2022	Conference: IMBHs: New Science from Stellar Evolution to Cosmology CIERA, Northwestern University San Juan Gas impact on GWs from LISA IMBH Binaries
03/2024 03/2023 02/2022	Bayesed Gravitational Waves: an MCMC story
† Will parti	icipate
Research	
10/2024	Center for Interdisciplinary Exploration and Research in Astrophysics (CIERA) Host: Prof. Dr. Shane Larson† Evanston
09/2024	Center for Computational Astrophysics Host: Prof. Dr. Will Farr, Dr. Matteo Cantiello, and Dr. Yan-Fei Jiang [†] NYC
02/2024	Institute of Gravitational Wave Astronomy Host: Prof. Dr. Alberto Vecchio Birmingham
02/2024	Institute of Cosmology and Gravitation Host: Prof. Dr. Ian Harry Portsmouth
11/2023	Max Planck institute for Gravitational Physics (Albert Einstein Institute) Host: Dr. Jonathan Gair Potsdam

09/2024	Workshop : Fundamental Physics Meets Waveforms With LISA Max Planck institute for Gravitational Physics (Albert Einstein Institute) Potsd			
09/2023	Kavli-Villum School: Gravitational Waves Corfu Summer Institute			
11/2022	Workshop: LISA data analysis: classical methods to machine learning <i>CNRS</i> , <i>L2IT</i> , <i>APC</i> , <i>CEA</i> , and <i>CNES</i>			
07/2022	Workshop: LISA Data Challenge Workshop <i>LISA Data Challenge Working Group</i>	Online		
07/2022	Workshop: From Scattering Amplitudes to GW Predictions for Compact Binario ETH Zurich & University of Zurich Zurich Zurich			
06/2022	Meeting: LISA Astrophysics Working GroupInstitute for Gravitational Wave Astronomy, University of BirminghamOn			
01/2022	Saas-Fee School:Multi-Messenger GW AstronomySwiss Society for Astrophysics and AstronomySaas			
08/2021	NBIA School: Gravitational wave astrophysics <i>Niels Bohr Institute, University of Copenhagen</i>	Copenhagen		
† Will parti	icipate			
Professio	ONAL RESPONSIBILITIES AND MEMBERSHIPS			
2023 – Organizer of the 'GWs, BHs, and Compact Binaries' seminar Department of Astrophysics, University of Zurich				
2023 – Contributor to the TianQin white paper Computed the gas-induced dephasing for intermediate-mass inspirals				
2022 – Contributor to the LISA DiscIMRI code comparison project Tasks: Literature review, plot making, and text writing				
2021 – Member of the LISA consortium and its astrophysics, waveforms, and data challenge working groups				
$2021 - \mid$ Teaching assistant for several astrophysics courses at the University of Zurich				
·	Research assistant at the Department of Astrophysics, University	ersity of Zurich		
Skills				
Progran	nming Languages: Python LaTeX Software	: Mathematica lisabeta		
Languages: English German (A1.1) Hindi Others: PyTorch Terminal Git				
OTHER AC	CTIVITIES			

• Hobbies and Interests: Outdoor activities, board and video games, and swimming

Last update: September 11, 2024