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PERSONAL DETAILS	Gender: Male	Date of Birth: August 14, 1995	Nationality: Indian
ACADEMIC HISTORY	<ul style="list-style-type: none"> • PhD Scholar in Astronomy, Cosmology and Gravity (ACG) group, Supervisor : Prof. S. Shankaranarayanan, Dept. of Physics, IIT Bombay 2019 - • Research Assistant in Prof. S. Shankaranarayanan's group Dept. of Physics, IIT Bombay 2018 - 2019 • BS-MS Dual degree, Major: Physics School of Physics, IISER Thiruvananthapuram 2013 - 2018 		
AWARDS AND ACHIEVEMENT	<ul style="list-style-type: none"> • Prime Minister's Research Fellowship, Ministry of Education, India 01/2021 - • INSPIRE Fellowship, Department of Science and Technology, India 2019-2020 • Joint CSIR-UGC-Net Exam (All India CSIR-JRF rank 140) 06/2018 • INSPIRE Scholarship, Department of Science and Technology, India 2013-2018 		
RESEARCH AREA	<ul style="list-style-type: none"> • Quantum information of field theories in general relativity and cosmology. 		
PUBLICATIONS	<ul style="list-style-type: none"> * Sree Mahesh Chandran, Karthik Rajeev and S. Shankaranarayanan, <i>Real-space quantum-to-classical transition of time dependent background fluctuations</i>, arXiv:2307.13611 [gr-qc] (Submitted to Phys. Rev. D) 4. S Mahesh Chandran, and S. Shankaranarayanan, <i>Dynamical scaling symmetry and asymptotic quantum correlations for time-dependent scalar fields</i>, <i>Phys. Rev. D</i> 107, 025003, arXiv:2205.133382 [hep-th] 3. Parul Jain, S Mahesh Chandran, and S. Shankaranarayanan, <i>Log to log-log crossover of entanglement in (1 + 1)- dimensional massive scalar fields</i>, <i>Phys. Rev. D</i> 103, 125008, arXiv:2103.01772 [hep-th] 2. S. Mahesh Chandran, and S. Shankaranarayanan, <i>One-to-one correspondence between entanglement mechanics and black hole thermodynamics</i>, <i>Phys. Rev. D</i> 102, 125025, arXiv:2010.03418 [gr-qc] 1. S. Mahesh Chandran, and S. Shankaranarayanan, <i>Divergence of entanglement entropy in quantum systems: Zero-modes</i>, <i>Phys. Rev. D</i> 99, 045010, arXiv:1810.03888 [quant-ph] 		
CONFERENCE TALKS	<ul style="list-style-type: none"> • Quantum Gravity 2023, Nijmegen, Netherlands <i>Asymptotic quantum correlations of field modes in time-dependent backgrounds</i> 07/2023 • Analogue Gravity in 2023, Benasque, Spain <i>Asymptotic quantum correlations of field modes in time-dependent backgrounds</i> 06/2023 • SymPhy 2023, IIT Bombay, India <i>Asymptotic quantum correlations of field modes in time-dependent backgrounds</i> 01/2023 • QFTCS Workshop, Online <i>Black hole thermodynamics from entanglement mechanics</i> 05/2022 • SymPhy 2021, IIT Bombay, India <i>Black hole thermodynamics from entanglement mechanics</i> 12/2021 		

	<ul style="list-style-type: none"> • 16th Marcel Grossmann Meeting, ICRA & ICRANet <i>Black hole thermodynamics from entanglement mechanics</i> [Proceedings] • IAGRG Meeting, IIT Gandhinagar, India <i>Black hole thermodynamics from entanglement mechanics</i> 	07/2021 12/2020
RESEARCH VISITS	<ul style="list-style-type: none"> • Prof. Orlando Luongo, University of Camerino, Italy • Prof. Vincent Vennin, LPENS Paris, France • Prof. Rosario Fazio, ICTP Trieste, Italy • Prof. Roberto Casadio, INFN Bologna, Italy • Prof. Pasquale Calabrese, SISSA Trieste, Italy 	07/2023 06/2023 10/2022 10/2022 09/2022
TEACHING & MENTORSHIP ROLES	<ul style="list-style-type: none"> • Senior Judge, National Children's Science Congress 2023 Kendriya Vidyalaya, Powai, Maharashtra • Course Instructor, AAA Aspirants Course for IIT-JAM Preparation Dept of Physics, Jai Hind College, Mumbai, Maharashtra • Teaching Assistant, Basics of Electricity & Magnetism Dept. of Physics, IIT Bombay 	10/2023 Autumn 2022 Spring 2022 Spring 2021
ADDITIONAL SKILLS	<ul style="list-style-type: none"> • Programming languages: Python, MATLAB, Mathematica. 	
LIST OF REFEREES	<ol style="list-style-type: none"> 1. S. Shankaranarayanan Professor, Department of Physics, IIT Bombay, Powai, Mumbai 400076, India email : shanki@phy.iitb.ac.in web : http://home.iitb.ac.in/~shanki/ 2. Sai Vinjanampathy Associate Professor, Department of Physics, IIT Bombay, Powai, Mumbai 400076, India email : sai@phy.iitb.ac.in 3. Vincent Vennin CNRS Researcher, Laboratoire de physique de l'Ecole normale supérieure, 24 rue Lhomond 75005 Paris, France email : vincent.vennin@phys.ens.fr 	