## **CURRICULUM VITAE: LUCA BRUNELLI**

Personal Data	Name: Luca Brunelli Date of Birth: 24/11/1999 Residence: Via del Conero 111c, Ancona, Marche, Italy Domicile: Via Ciamician 2, Bologna, Emilia-Romagna, Italy E-mail: <u>l.brunelli@unibo.it</u> Phone: +39 3427792834
Education	<ul> <li>November 2023-Present: PhD Student in Theoretical Physics c/o Alma Mater Studiorum, Università di Bologna Supervisor: Francisco Manuel Soares Verissimo Gil Pedro Co-Supervisor: Michele Cicoli External Co- Supervisor: Luca Martucci (PD)</li> <li>October 2021- October 2023: Master of Science in Physics c/o Alma Mater Studiorum, Università di Bologna Final Grade: 110/110 Cum Laude Thesis Title: 'Effects of Loop Corrections on String Inflation' Supervisor: Michele Cicoli</li> <li>September 2018- October 2021: Bachelor in Physics c/o Alma Mater Studiorum, Università di Bologna Final Grade: 110/110 Cum Laude Thesis Title: 'Rotationally Covariant Operators and Wigner-Eckart Theory with Applications' Supervisor: Roberto Zucchini</li> <li>September 2013-June 2018: High School c/o 'Liceo Classico Carlo Rinaldini', Ancona</li> </ul>
Other Training Experiences	LACES 2023: Lezioni Avanzate di Campi e Stringhe <i>c/o Galileo Galilei</i> Institute, Firenze Advanced courses on String Theory and Quantum Field Theory
Publications	S. Bansal, LB, M. Cicoli, A. Hebecker, R. Kuespert, <i>Loop Blow-up</i> <i>Inflation</i> , accepted for publication on <i>JHEP</i> <i>arXiv</i> : 2403.04831

Talks	<ul> <li>January 2024 c/o University of Bologna: Presentation of PhD project during the first joint Bologna-Padua PhD meeting.</li> <li>June 2024 c/o University of Padua: Parallel session talk with title 'Loop Blow-Up Inflation: a novel way to inflate with the Kähler moduli' during the conference String Phenomenology 2024.</li> <li>July 2024 c/o University of Bologna: Plenary talk with title 'Loop Blow-Up Inflation: a new inflationary model from string theory' during the conference Invisibles 2024</li> <li>September 2024 c/o Istinye University, Istanbul: Parallel session talk with title 'Loop Blow-Up Inflation: a novel may to inflate with the Kähler moduli' during the Cost Action Cosmic WISPers.</li> </ul>
Professional Experiences	<ul> <li>Summer 2018: Summer Camp Entertainer c/o Centro Estivo Montessori, Ancona</li> <li>2019-2023: Private Lessons in Physics and Math at High School and University level.</li> </ul>
Languages	Italian: Mother Tongue English: C1 Level Spanish: A2 Level