

JEAN-FRANÇOIS VADURET

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EDUCATION

Uppsala Universitet

M.Sc. String Theory and Quantum Field Theories

Dissertation: DUNNO

Uppsala, Sweden

Expected July 2019

Aix-Marseille Université

B.Sc. Physics, Graduated as Valedictorian with High Honors

Marseille, France

May 2017

Lycée Émile Combes

High School Graduation with Highest Honors, Major: Mathematics

Pons, France

July 2014

RESEARCH EXPERIENCE

Uppsala Universitet, Physics and Astronomy Department

Research Assistant with Dr. Giuseppe Dibitetto and Dr. Marjorie Schillo

Preparation of master's degree thesis

2017-present

Research Assistant with Dr. Marjorie Schillo

“Cosmological perturbation theory applied to GPPZ domain wall solution”

- Developed gauge invariant cosmological perturbation theory formalism for Lorentzian and Euclidean domain walls in 5D

- Used said formalism to study perturbation of active and inert scalar fields in GPPZ solution

Research Assistant with Dr. Rikard Enberg

“The theory of the perfect scientific article”

- Investigated literature on scientific writing to write a report listing advice on the matter

Aix-Marseille Université, Centre de Physique Théorique CNRS

Research Assistant with Dr. Federico Piazza

“Interacting dark matter as a solution to the Hubble tension”

- Investigated literature on dark energy as scalar field decaying into dark matter as solution to the Hubble tension

Summer 2017

OTHER EXPERIENCES

Attended Nordita Winter School on Theoretical Particle Physics, January 2019

Talk “A brief review of attempts to solve the Hubble Tension” presented for *Physics for (Slightly) Smarter Dummies* at Uppsala Universitet, November 9, 2018

REFERENCES

Dr. Giuseppe Dibitetto

Dr. Marjorie Schillo