



Personal Data

Date of birth

16 July 1991

Place of birth

Meschede, Germany

Address

Sq. du Vieux Tilleul 1, bte 19
1050 Ixelles, Belgium

Phone

+32 456 65 23 89

Email

marco.hufnagel@protonmail.com

Programming Skills

Python

Numpy, SciPy, Numba, Matplotlib

C++

GSL, Boost, OpenMP

Mathematica

Bash

Java

Dart / Flutter

Languages

German Native ● ● ● ● ●

English C2 ● ● ● ● ●

French A1 ● ● ● ● ●

Overview

Research Scientist with experience from world-leading institutes

- Data science, analysis & visualization with **excellent Python skills**
- Analytical & mathematical skills for solving complex problems
- Work experience as part of **international collaborations**
- **Invited speaker** at 10+ international conferences and seminars
- Author of 15+ papers in internationally renowned journals
- Referee for leading journals (JHEP, Phys. Rev. D)

Employment

Postdoctoral Researcher Since 11/20
Université libre de Bruxelles, Brussels, Belgium

Postdoctoral Researcher 06/20 - 11/20
DESY Hamburg, Hamburg, Germany

Doctoral Student 01/17 - 06/20
DESY Hamburg, Hamburg, Germany

Education

Ph. D. | Dr. rer. nat. (Physics) 01/17 - 06/20
With distinction (summa cum laude)
Hamburg University, Hamburg, Germany

M. Sc. (Physics) 10/14 - 11/16
Very good (1.1, 1.0 = best)
RWTH Aachen University, Aachen, Germany

B. Sc. (Physics) 10/11 - 09/14
With distinction (1.0, 1.0 = best)
RWTH Aachen University, Aachen, Germany

Abitur (A-level) 08/12 - 07/11
Very good (1.0, 1.0 = best)
Gymnasium der Stadt Meschede, Meschede, Germany

Awards & Achievements

Cover page of Phys. Rev. Lett. Vol. 127, Iss. 19 11/2021

Schöneborn Award (best B. Sc. in physics) 02/2015
RWTH Aachen University, Aachen, Germany

Member of the Dean's list 2012 - 2014
RWTH Aachen University, Aachen, Germany

DPG High School Price (best physics student) 07/2011
German Physical Society (DPG)



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English C2 ●●●●●

French A1 ●●●●●

Grants

FNRS (CR)

01/19

Grading of proposal: outstanding (A+, A+ = best)

Université libre de Bruxelles, Brussels, Belgium

Schools & Courses

Workshop on Advanced Python Learning

01/19

PIER Helmholtz Graduate School

ISAPP 2017: The Dark and the Visible Side of the Universe

06/17 - 07/17

ISAPP European network

Teaching Experience

Tutor for Solitons and instantons in quantum field theory

WS 2023/24

Université libre de Bruxelles (Service de Physique Théorique)

Tutor for Quantum Mechanics

SS 2023

Université libre de Bruxelles (Service de Physique Théorique)

Tutor for Solitons and instantons in quantum field theory

WS 2021/22

Université libre de Bruxelles (Service de Physique Théorique)

Lecture on Cosmological evidence for dark energy

SS 2018

DESY Hamburg (DESY Theory Group)

Lecture on Laser Interferometers

SS 2017

DESY Hamburg (DESY Theory Group)

Tutor for Higher Mathematics III

WS 2013/14

RWTH Aachen University (Lehrstuhl für Mathematik)

Other Experience

Student IT Admin

01/18-10/20

DESY Theory Group, DESY Hamburg