

INFORMAZIONI PERSONALI

Talenti Francesco Rinaldo

ISTRUZIONE E FORMAZIONE

Bachelor in Fisica e Astrofisica

Università degli studi di Firenze, Firenze (Italia), Firenze (Italia)

The most general basis of physics, as well as the theoretical tools needed, are taught. The courses contents cover a variety of fields from mathematics, chemistry, computer science, and both theoretical and experimental physics. The knowledge and the skills acquired during the studies introduce the student to the study of modern physics.

My bachelor thesis was an experimental study of the polarization states of light.

Final mark: 92/ 110

Master of Science in Physics and Astronomy

Vrije Universiteit Brussel, Bruxelles (Belgium)

The total amount of credits is 120 ECTS. The mandatory courses (30 ECTS credits) are theoretical courses of modern physics and relative applications. The subjects dealt are quantum field theory, general relativity, subatomic and particle physics, computational physics and high energy astrophysics. For the electives credits I addressed my attention to the world of optics, nonlinear and quantum optics, lasers dynamics, microphotonics, nonlinear dynamics and atomic physics. My internship was about a optical cavity for frequency comb. My thesis was an optimization problem of nonlinear optics, where light interaction with new generation on-chip devices with graphene on top was studied. I passed the master with distinction. Final mark: 73% GPA.

COMPETENZE PERSONALI

Lingua madre italiano

Lingue straniere

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
inglese	C1	C1	C1	C1	C1
English was the official language of my master					
francese	B2	B2	B1	B1	A2

Livelli: A1 e A2: Utente base - B1 e B2: Utente autonomo - C1 e C2: Utente avanzato
[Quadro Comune Europeo di Riferimento delle Lingue](#)