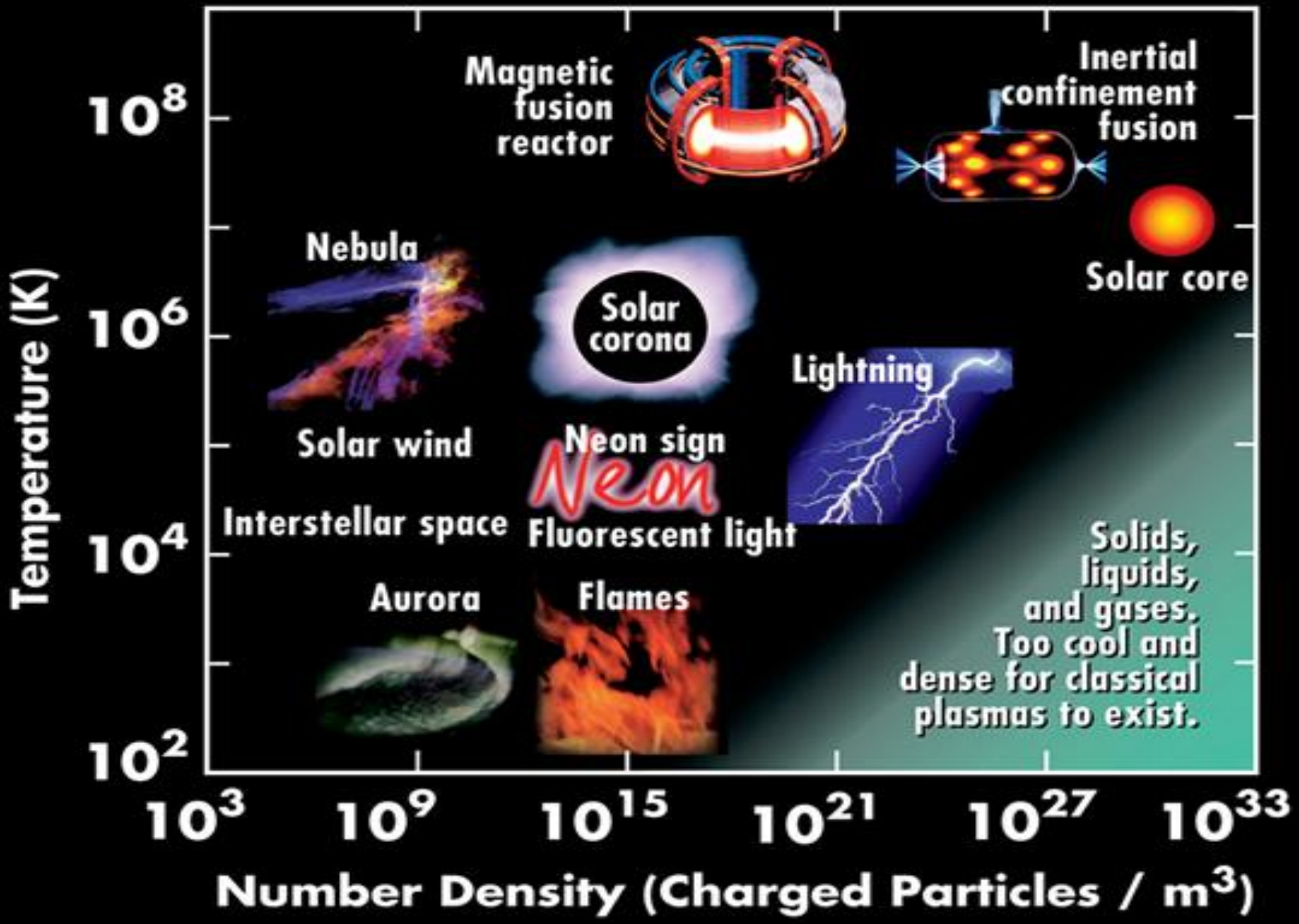


PLASMA PHYSICS

Plasma Path Coordinator: Claudia Riccardi
Teachers: Ruggero Barni, Marco Cavedon, Gabriele Croci, Andrea Dal Molin, Giuseppe Gorini, Emilio Martines, Massimo Nocente, Claudia Riccardi



> 99% of visible matter

Curriculum C: Plasma Physics Path

Type of Educational Activity / Area	ECTS ambito	Codes	Courses	ECTS	SSD	Semester
Core – Experimental and Applied	16	F1703Q020	LABORATORY OF PLASMA PHYSICS I	10	FIS/01	I
		F1703Q021	LABORATORY OF PLASMA PHYSICS II	6	FIS/01	II
Core - Theoretical and Foundations of Physics	6	F1703Q052	STATISTICAL MECHANICS	6	FIS/02	I
Core - Microphysics of Matter and Fundamental Interactions	18	F1703Q007	ENERGY PHYSICS	6	FIS/03	II
		F1703Q036	PLASMA PHYSICS I	6	FIS/03	I
		F1703Q037	PLASMA PHYSICS II	6	FIS/03	II
Related / Supplementary Educational Activities	18	**Choose three courses from the list:**				
		F1703Q001	APPLICATION OF NEUTRON PHYSICS	6	FIS/07	I
		F1703Q003	APPLIED ELECTRONICS	6	ING-INF/01	I
		F1703Q009	FABRICATION AND CHARACTERIZATION OF NANO AND QUANTUM MATERIALS	6	FIS/03	II
		F1703Q028	MONTE CARLO SIMULATION OF RADIATION DETECTORS	6	FIS/04	II
		F1703Q061	(*) SOSTENIBILITA' ENERGETICA	6	FIS/07	II
		F1703Q051	STATISTICS AND DATA ANALYSIS	6	FIS/01	II
Elective course (chosen by the student)	12	**Choose two courses from the list:**				
		FSM01Q025	** ADVANCED FUNCTIONAL POLYMERS	6	ING-IND/22	I
		F1703Q026	MACHINE LEARNING APPLICATIONS	6	FIS/07	II
		F1703Q046	(*) RADIAZIONI ELETTROMAGNETICHE NON IONIZZANTI	6	FIS/01	II
		F1703Q060	(*) RIVELATORI DI RADIAZIONI	6	FIS/04	I

Courses marked with (*) *are taught in Italian.*

** Course offered within the Master's Degree Programme in Materials Science and Nanotechnology.