



POLITECNICO
MILANO 1863

Laurea Magistrale in INGEGNERIA NUCLEARE

Master of Science in Nuclear Engineering 

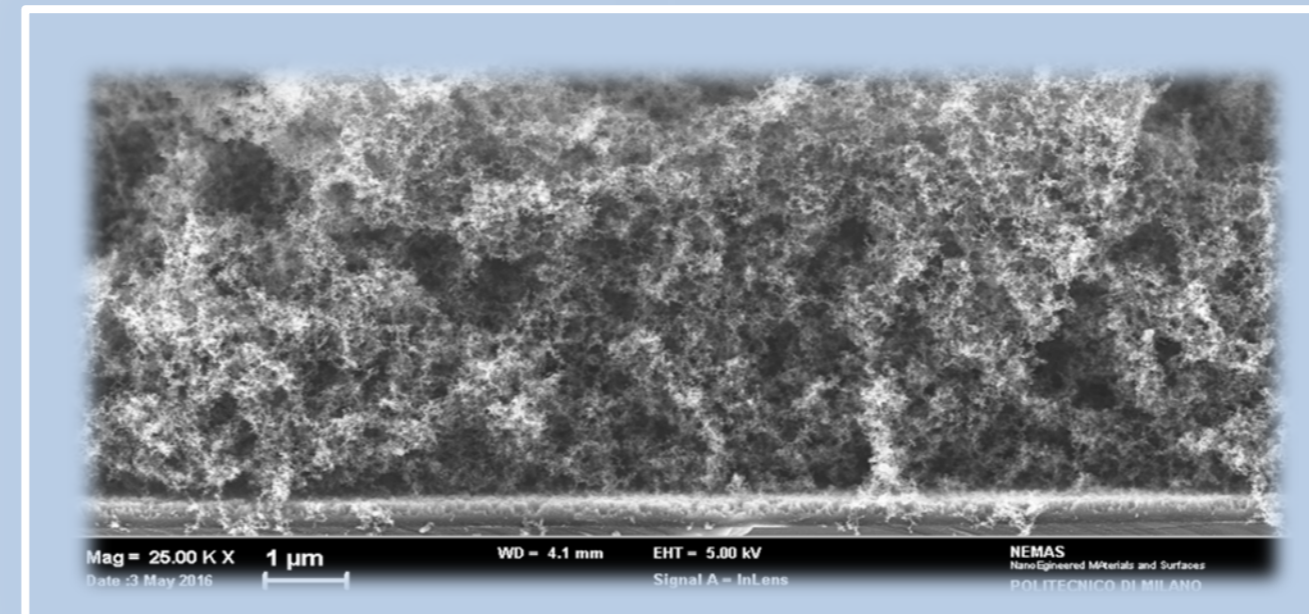
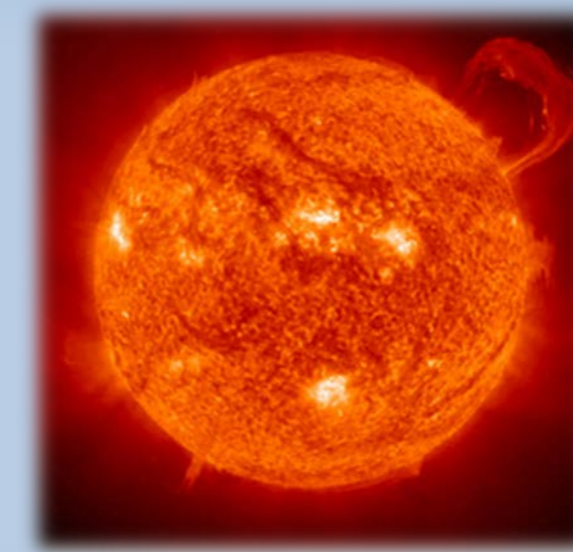
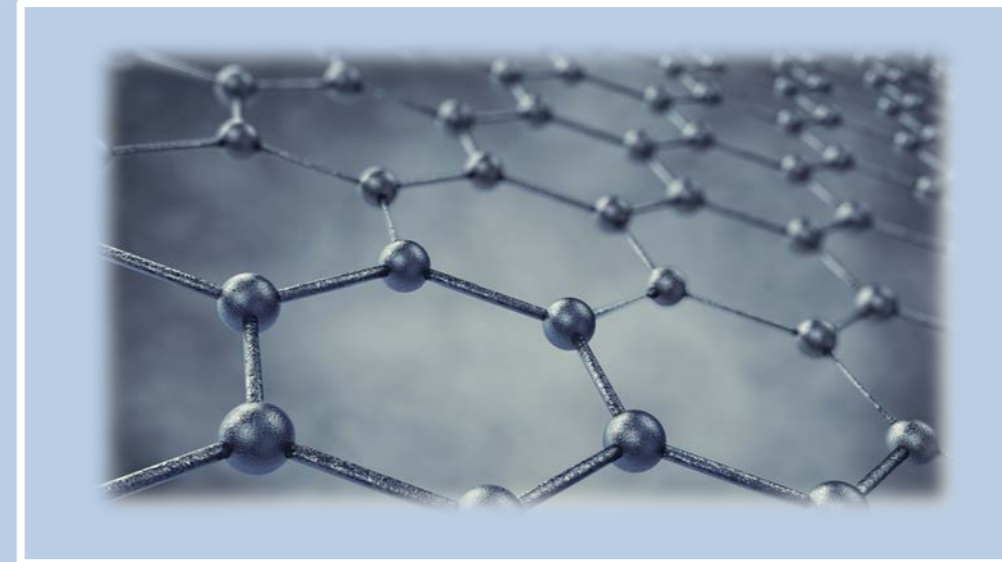
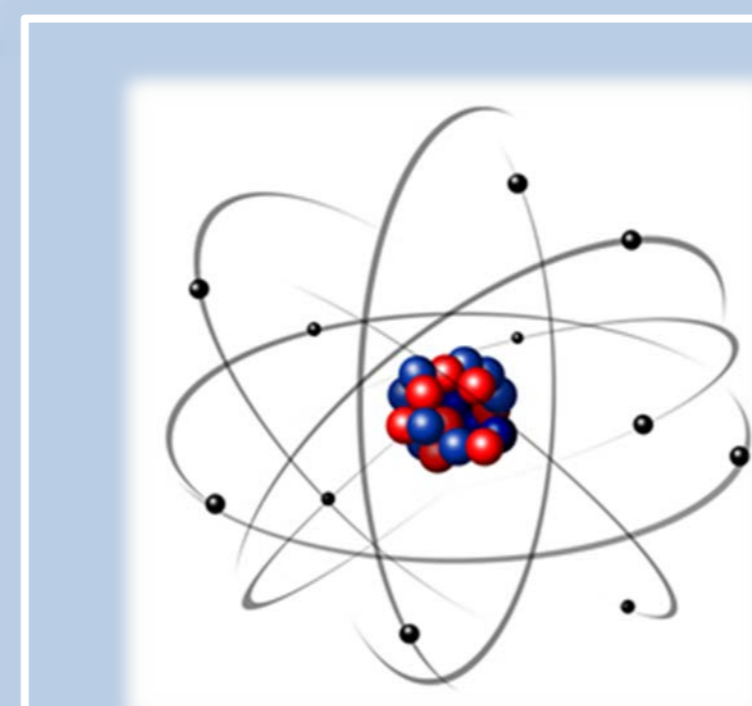
www.ingnucleare.polimi.it



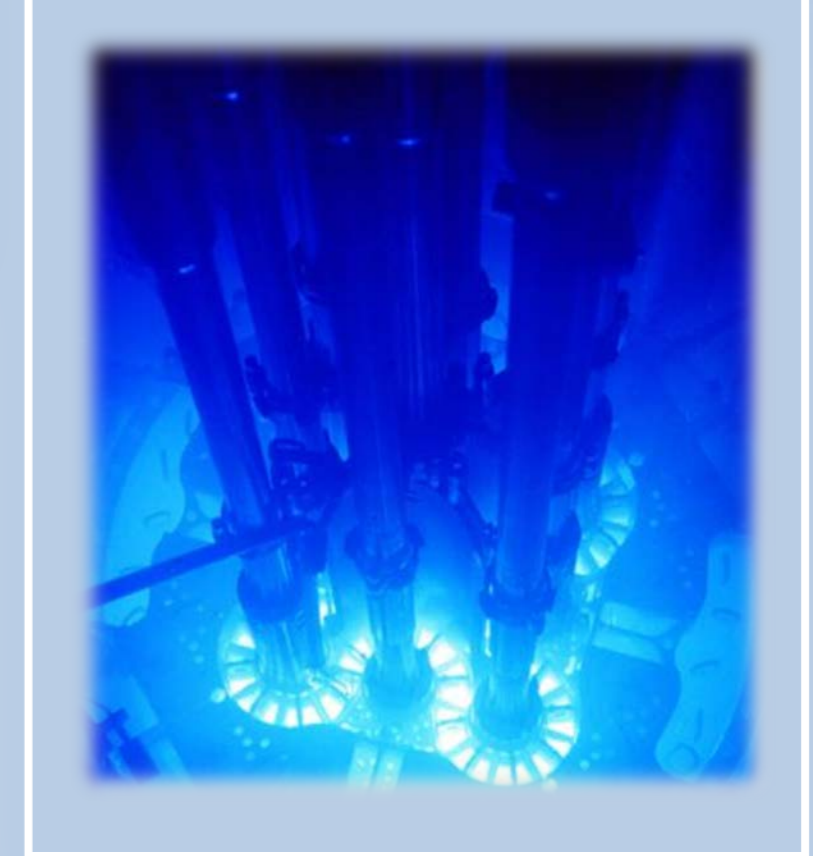
FISICA E MATERIALI PER L'INGEGNERIA NUCLEARE

Cosa potrai studiare

- FISICA ATOMICA
- FISICA DEL NUCLEO E DELLE PARTICELLE
- FISICA DEI PLASMI
- FISICA DELLO STATO SOLIDO
- FISICA STATISTICA
- FISICA DEL REATTORE NUCLEARE
- FISICA DEI MATERIALI NUCLEARI
- FISICA DELLE NANOSTRUTTURE
- FISICA DEGLI ACCELERATORI
- NANOMATERIALI PER LA CONVERSIONE DI ENERGIA
- TECNICHE NUCLEARI PER L'ANALISI DEI MATERIALI
- PLASMI PER L'INGEGNERIA DELLE SUPERFICI



Three generations of matter (fermions)			
	I	II	III
mass	2.4 MeV/c ²	1.27 GeV/c ²	173.2 GeV/c ²
charge	2/3	2/3	2/3
spin	1/2	1/2	1/2
name	u up	c charm	t top
Quarks	4.8 MeV/c ²	104 MeV/c ²	4.2 GeV/c ²
	1/3	1/3	1/3
	1/2	1/2	1/2
	d down	s strange	b bottom
Leptons	0.22 MeV/c ²	0.107 MeV/c ²	1.057 MeV/c ²
	0	0	0
	1/2	1/2	1/2
	ν _e electron neutrino	ν _μ muon neutrino	ν _τ tau neutrino
Gauge bosons	0.511 MeV/c ²	105.7 MeV/c ²	1.777 GeV/c ²
	-1	-1	-1
	1	1	1
	e electron	μ muon	τ tau
			80.4 GeV/c ²
			1
			W [±] W boson

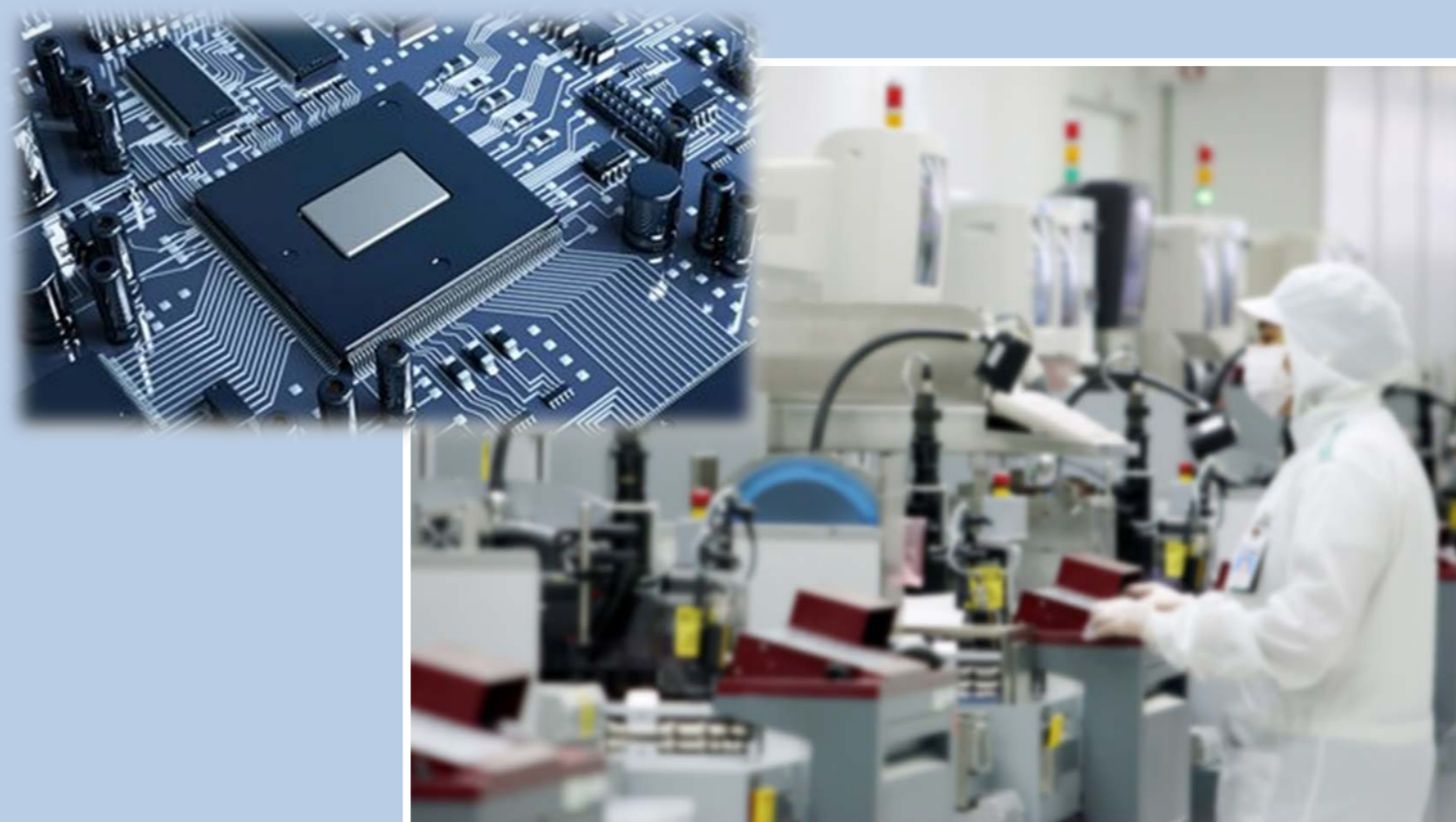


Cosa potrai fare dopo

FISICA NUCLEARE E DELLE ALTE ENERGIE

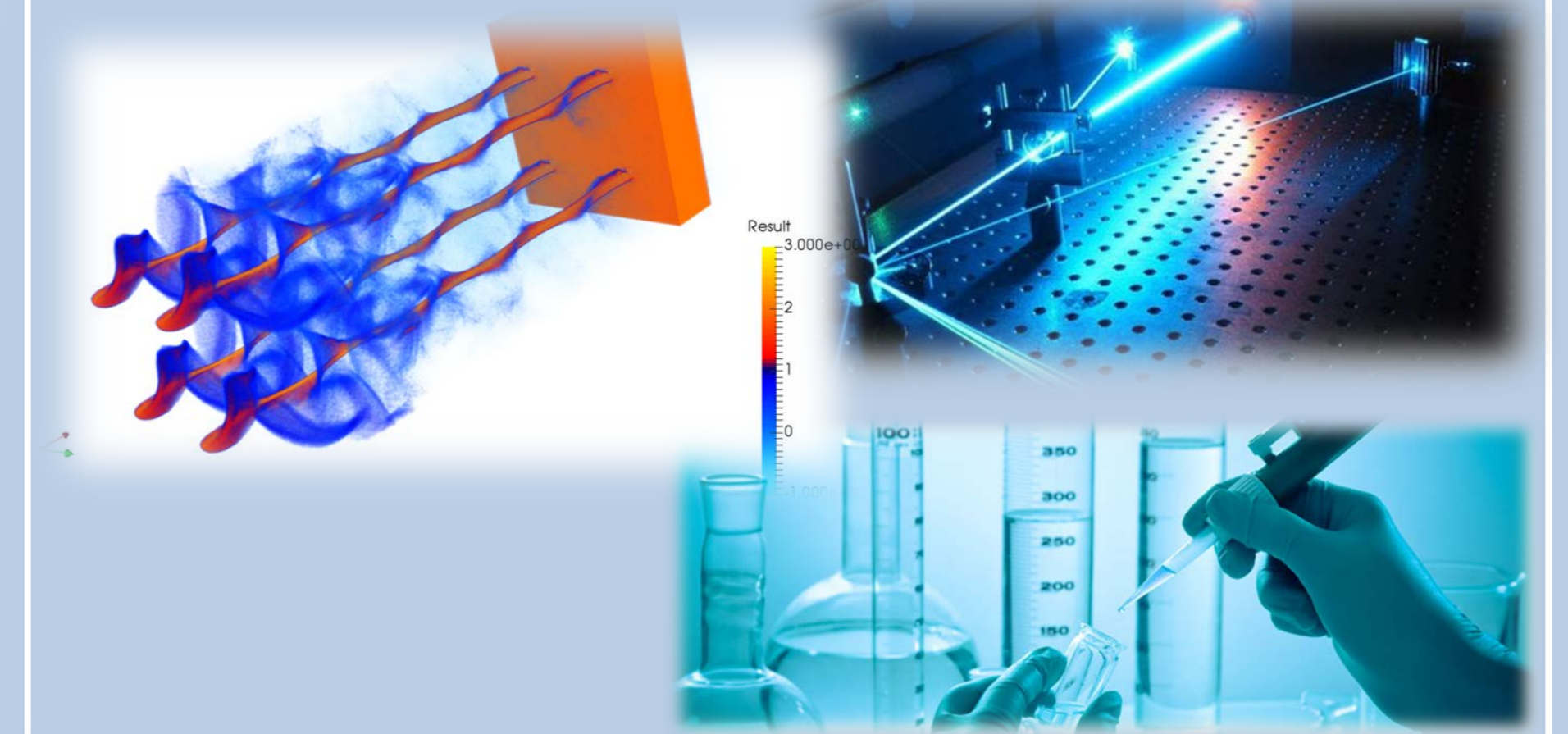
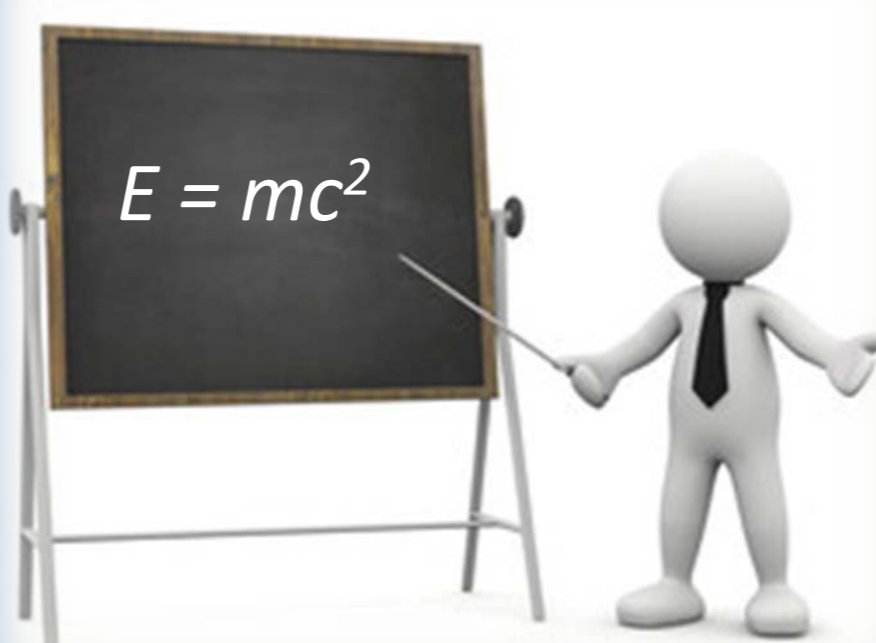


INDUSTRIA MICROELETTRONICA

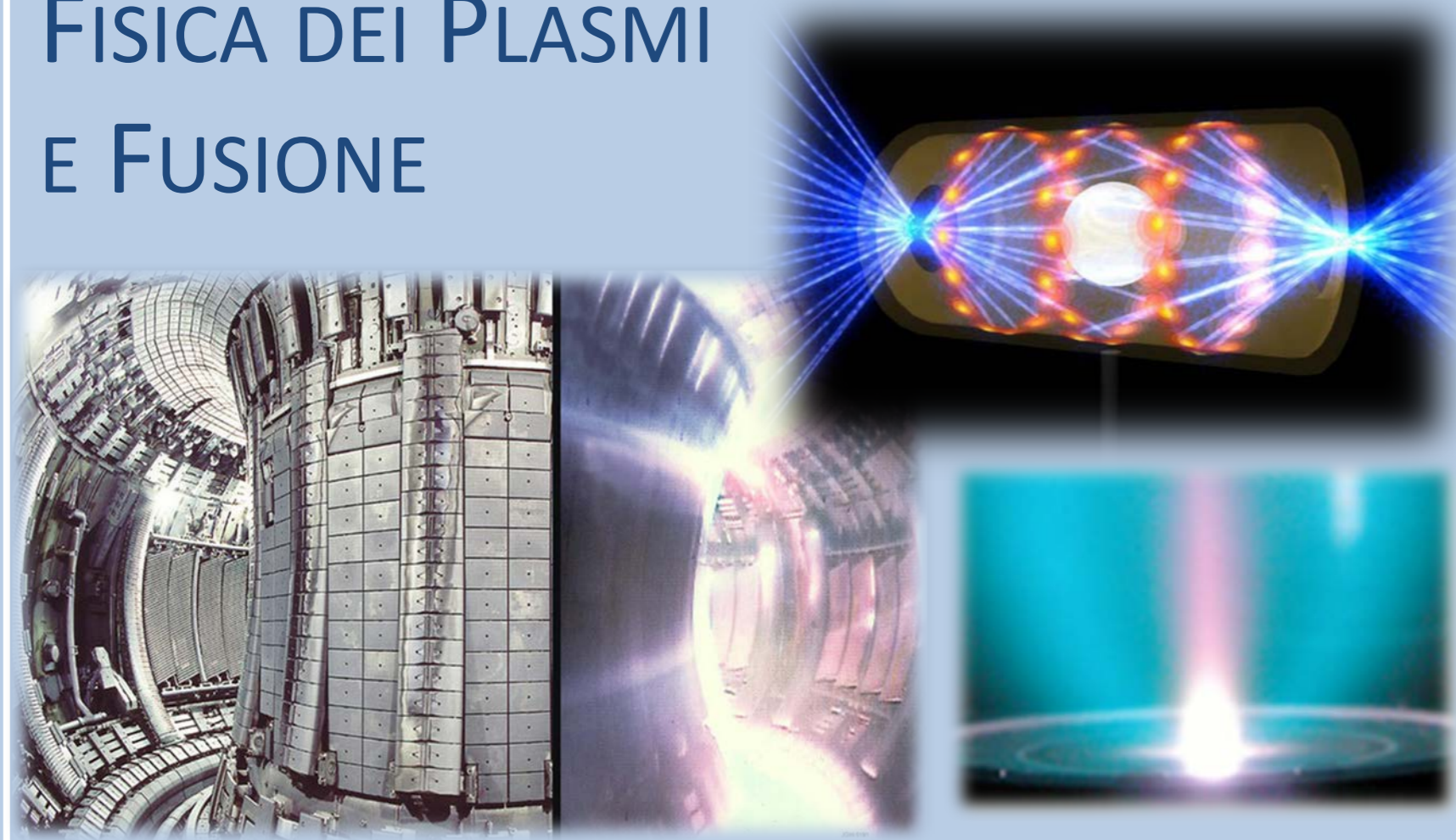


RICERCA E SVILUPPO IN
ENTI E SOCIETÀ
PRIVATE

DOTTORATO, CARRIERA ACCADEMICA,
INSEGNAMENTO



FISICA DEI PLASMI E FUSIONE



NANOTECNOLOGIE E MATERIALI INNOVATIVI

