



## SIMULATION OF PARTICLE DETECTORS

<b>Enrollment year</b>	2015/2016
<b>Academic year</b>	2015/2016
<b>Regulations</b>	DM270
<b>Academic discipline</b>	FIS/01 (EXPERIMENTAL PHYSICS)
<b>Department</b>	DEPARTMENT OF PHYSICS
<b>Course</b>	
<b>Curriculum</b>	FISICA TEORICA
<b>Year of study</b>	1°
<b>Period</b>	2nd semester (01/03/2016 - 15/06/2016)
<b>ECTS</b>	6
<b>Lesson hours</b>	48 lesson hours
<b>Language</b>	ITALIAN
<b>Activity type</b>	ORAL TEST
<b>Teacher</b>	RIMOLDI ADELE (titolare) - 6 ECTS
<b>Prerequisites</b>	Basic background from completed courses in object-oriented programming
<b>Learning outcomes</b>	Object Oriented programming using a simulation tool
<b>Course contents</b>	This course is addressed to students interested in developing simulation tools in many branches of subnuclear physics, astrophysics or applied medicine physics. Goal is also to manage big OO programs and create new applications by implementing code and choosing a personal path of development in a friend field of physics.
<b>Teaching methods</b>	=
<b>Recommened or required readings</b>	a) Koenig, Moo, Accelerated C++, Addison Wesley b) Adele Rimoldi, Metodi informatici della fisica, Pavia University Press c) Adele Rimoldi, La simulazione dei rivelatori di particelle, Pavia

	University Press, Didattica e Formazione
<b>Assessment methods</b>	Oral examination
<b>Further information</b>	Oral examination
<b>Sustainable development goals - Agenda 2030</b>	<a href="#">\$bl legenda sviluppo sostenibile</a>