
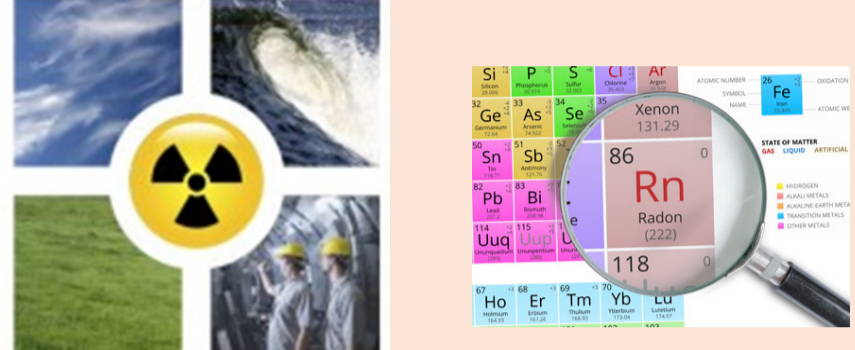

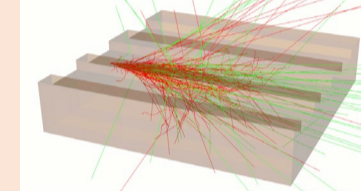



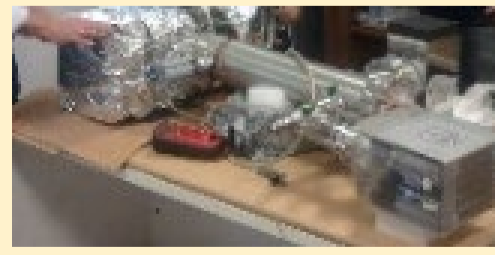

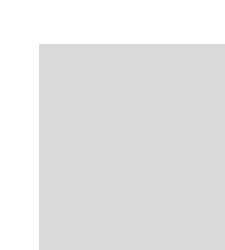
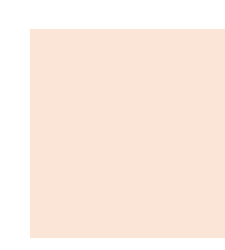


Research Line	Activity	Technological readiness level (TRL)								
		TRL 1	TRL 2	TRL 3	TRL 4	TRL 5	TRL 6	TRL 7	TRL 8	TRL 9
<b>Nuclear Instrumentation</b> 	Development of nuclear instrumentation	Pulse amplifier	Neutron dosimeter	Pre-amplifier						
<b>Environmental radioactivity surveillance</b> 	Athmospheric Rn measurements							ARMON detector		
	Activity measurements and position of radioactive sources in the environment	Compton camera								
	Rn indoor measurements and Rn equipment calibration								Rn chamber	
<b>Medical radiation and radiological protection</b> 	Software and dosimetry procedures development for patients and professionally exposed staff									
<b>Radiation Physics</b> 	Development and optimization of PENELOPE and sister codes									
<b>H<sub>2</sub> and synthetic fuels sustainable production</b> 	Design, development and characterization of catalysts	• Metallic NPs supported on inorganic oxides	Structured catalysts							
	Design and development of reactors	• Photonic cristals		• Microreactor	Reactor-fuel cell coupling					
<b>Atmospheric pollutants removal</b> 	Development of materials for the removal of pollutants coming from car's exhaust pipe							Strctured NPs based catalysts		
<b>CO<sub>2</sub> capture and storage</b> 	Development of new materials for CCUS	Ignasi	Ignasi							
<b>Particle Accelerators</b> 	Development of particle accelerators		microtron							
<b>Metallic glasses</b> 	Design and characterization of metallic glasses	Metallic glasses: Fe, Cu-Zr, Al, Pd and Ce								



**Advanced Nuclear Technologies (ANT)**



**Dosimetry and medical radiophysics (DRM)**



**Nanoeengineering of materials with energetic applications (NEMEN)**



**Group of materials characterization (GCM)**