

Simon Vlachos is a Ph.D. student in Physics at the University of Pisa under the supervision of Dr. Leonida A. Gizzi. He is currently carrying out his project at the National Institute of Optics (INO) of the CNR of Pisa. His work is on laser-driven plasma acceleration in the framework of the development programme at the Intense Laser Irradiation Laboratory (ILIL), under the I-PHOQs project. Simon is engaged in carrying out experiments of Laser Wakefield Acceleration to produce stable VHEE beams. His focus is mainly on diagnostic systems for accurate characterization of electron spectra, on-shot plasma interferometry and is also involved in Flash radiotherapy experiments.