

I got my PhD in 2011 at University 'Sapienza' of Rome, and in my thesis I searched for a high-mass Higgs boson in a semi-leptonic final state with the CMS experiment at LHC. From 2012 to 2017 I was a post-doctoral researcher at ETH Zurich, and I pursued my career in CMS, mainly focusing on jet reconstruction and searches for physics beyond the Standard Model, including hadronic Supersymmetry, high-mass resonances, and anomalous Higgs decays. Since November 2017 I have been staff researcher at INFN Rome, where I started a new line of research, focusing on the development of novel particle detectors based on Carbon nanotubes. There I secured an ATTRACT grant, which allowed me to open a laboratory in Sapienza equipped with one of the largest and most versatile Carbon nanotube facilities currently operating in Italy.