

My name is Sofia Luisa Soares Ferreira Nunes Teixeira. I was born on the 8th of August of 1994 in Porto, Portugal. I finished my undergraduate studies the week before the beginning of my Summer Student Programme at the Faculty of Sciences of the University of Porto.

My department here at CERN is PH-ADE-MU (PHYSICS DEPARTMENT - ATLAS DETECTOR – MUON SPECTROMETER). My project consists of performance studies of the gas mixture contamination by air of the gas gap of the Micromegas detector, the detector technology chosen for the upgrade of the forward muon spectrometer. These studies involve simulations of the detector using the software COMSOL Multiphysics and laboratory tests using small prototypes of the detector.

After my internship at CERN, I will start my graduate studies. It will be a Master in Experimental Physics with some courses in theoretical physics at the Faculty of Sciences of the University of Porto. My areas of interest are particle physics and condensed matter.