

My name is Patrik Novotný and I am studying at Charles University in Prague for a Master's degree in Nuclear and Particle Physics. Last year I obtained a Bachelor's degree in General Physics from the same university. In my bachelor's and master's thesis I study and classify heavy-ion collisions in the ATLAS experiment.

For a couple of years, I also work one day a week for the Czech Academy of Sciences, where I take care of the acquisition system and microelectronics within the ATLAS ITk laboratory. Here at CERN I finally got a chance to take a closer look at possible "detectors of the future" within the EP-DT-TP group and I would like to share this interesting experience with you in my talk.