



THE UNIVERSITY OF
MELBOURNE

Physics > High Energy

‘ At CERN in Switzerland, a giant detector is being built to look for New Physics beyond the Standard Model – the model that describes particles and their interactions. After my 3 months working there as a summer student, I knew I wanted to come back to do Honours in the area of high energy particle physics.

My project involves looking at lepton-flavour violation or how particles like electrons, muons and tauons appear to change from one particle to another. This is directly relevant to the ATLAS project where much of the work involves simulating collisions of particles and analysing the data sets to see what is possible. When the detector is finished in 2007, we will be able to run the experiments for real and compare the theory with reality.

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Honours in the
Experimental Particle Physics group