

# SUMMER STUDENT LECTURE PROGRAMME 2019

Lecture Title

ANTIMATTER IN THE LAB

Lecturer's name

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Short CV

I am a CERN research staff since 2016. I did my PhD in Particle Physics at TRIUMF (Canadian National Laboratory for Nuclear and Particle Physics) on the study of pion decay. After a postdoc, I became CERN fellow in 2013 and have since been working on two experiments at the CERN antiproton decelerator – ASACUSA and AEGIS. Both experiments aim at forming antihydrogen atoms and precisely measure their spectroscopic properties (ASACUSA) and test the effect of gravity on anti-matter (AEGIS).

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Pre-requisites:  
earlier series of lectures  
that the students  
should follow

Earlier lectures on SM and detection techniques will be helpful

Other pre-requisites:

Knowledge of elementary particles & interactions would help to follow the lectures.