

SUMMER STUDENT LECTURE PROGRAMME 2016

Lecture Title	Flavour Physics and CP violation
Lecturer's name	Tim Gershon
E-mail Address	T.J.Gershon@warwick.ac.uk
Short CV	I work on experiments in the field of flavour physics and CP violation, in particular trying to understand the behaviour of particles that contain heavy quarks. Specifically, I am active in the study of B mesons, at the B factory experiments: (2001-2005) Belle at KEK, (2005-present) BaBar at SLAC, and (2008-foreseeable future) LHCb at CERN. I was Physics Co-ordinator for LHCb during the calendar years 2012-13. I'm also coleader of the Heavy Flavour Averaging Group, which is responsible for providing world averages of quantities that are measured in different experiments.

Office hours (hour/place - if relevant)	17:30 Wednesday 13 July Main auditorium
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Pre-requisites: earlier series of lectures that the students should follow	Nothing formally required, but it would not hurt if students have previously attended the lectures on "Theoretical concepts in Particle Physics" and "The Standard Model"
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Other pre-requisites:	Again, nothing formally required, but there are some great resources on the web and in libraries. I particularly recommend the book "The mystery of the missing antimatter" by Yossi Nir and Helen Quinn.
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