

# PHYSICS DEPARTMENT TEACHING PROGRAMME

## Spring 2009

### Tuesdays at 3.30pm

in the

### Physics Staff Room (unless otherwise notified)

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20 <sup>th</sup> January	Interactions with Matter – <b>Photons</b> : <i>Compton rebirth, photoelectric death, anti-matter twins.</i> Geoff Lawrence
27 <sup>th</sup> January	Interactions with Matter - <i>light</i> <b>Electrons and heavy Protons</b> Alan Nahum
3 <sup>rd</sup> February	Monte-Carlo simulation I: basic tricks of the trade; Photon transport Alan Nahum
10 <sup>th</sup> February	“Django” – a PYTHON web framework Martin Green
17 <sup>th</sup> February	Monte-Carlo simulation II: simulating those “difficult” electrons Alan Nahum
24 <sup>th</sup> February	Monte-Carlo simulation III: Applications in Treatment Planning Tony Popescu, (on loan from) Vancouver
3 <sup>rd</sup> March	Monte-Carlo simulation IV: Applications in Radiation Dosimetry Alan Nahum
10 <sup>th</sup> March	Monte-Carlo simulation V: How to commission a linac, and what to do next Vanessa Panettieri
17 <sup>th</sup> March	Why do depth-dose curves look the way they do? Alan Nahum

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..... *to be continued*

All teachers are members of Clatterbridge Centre for Oncology Physics department unless otherwise stated.

N.B. The presentations will become successively available in T:\DOCS\Physics\Share\Teaching lecs. 2009

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