

**NuSPIN Germanium detector school: 3<sup>rd</sup> – 7<sup>th</sup> June 2019****TIMETABLE**

<b>Monday</b>	<b>[CTL Radiation Laboratory]</b>
12:30	Registration and Lunch available
13:00	<b>An introduction</b>
13:10	<b>Lecture 1:</b> High resolution gamma spectrometry
14:00	<b>Lecture 2:</b> Pulse processing
14:45	<b>Tour of the labs</b>
15:30	Tea/coffee, discussion
16:00	<b>Lecture 3:</b> Digital spectroscopy and coincidence timing
17:00	Close
<b>Tuesday</b>	<b>[CTL Radiation Laboratory]</b>
09:30	<b>Practical 1 (09.30 – 12.30)</b>
10:30	Tea/coffee, discussion
12.30	Lunch
13.30	<b>Practical 2 (13.30 – 17.00)</b>
15:30	Tea/coffee, discussion
17:00	Close

A practical circus will operate; your group will rotate between them. There are four practicals:

- 3 Managing detector vacuum systems
- 4 Segmented detector data analysis
- 5 Customer Acceptance Testing
- 6 Trouble shooting detector systems

**Wednesday [2<sup>nd</sup> Floor OLL]**

09:30	<b>Practical rotation 3 (09.30 – 12.30)</b>
10:30	Tea/coffee, discussion
12.30	Lunch
13.30	<b>Practical rotation 4 (13.30 – 17.00)</b>
15:30	Tea/coffee, discussion
17:00	Close

**Thursday [2<sup>nd</sup> Floor OLL]**

09:30	<b>Practical rotation 5 (09.30 – 12.30)</b>
10:30	Tea/coffee, discussion
12.30	Lunch
	<b>[CTL Radiation laboratory]</b>
13.30	<b>Lecture 4: High Purity Germanium Detector Characterisation and Analysis</b>
14:30	<b>Lecture 5: Specialist detector manufacturing</b> (Benoit Pirard – Mirion Technologies)
15.30	Tea/coffee, discussion
16.00	<b>Discussion session (2<sup>nd</sup> floor OLL)</b>
17:00	Close

**Friday**

09:30	<b>Practical rotation 6 (09.30 – 12.30)</b>
10:30	Tea/coffee, discussion
12.30	Lunch
13:30	End of course