NuGrid/JINA-CEE/ChETEC School: Software Tools for Simulations in Nuclear Astrophysics (17th-19st September 2018, University of Hull, UK)

Monday 17 September 2018 - Wednesday 19 September 2018

Other Institutes

Scientific Programme

School Agenda

-- Monday 17th September --

Building-room: ESK-Comp3 PC
chair: Marco Pignatari

09:00-09:15 - Welcome from Marco and Brad
09:15-10:35 - Lecture 1 - **Falk Herwig** - Stellar simulations and convection in stars

10:35-11:00 - coffee break

11:00-12:20 - Lecture 2 - **Alison Laird** - From nuclear physics experiments to reaction rates for stars.

12:20-13:30 - Lunch break

**Building/room: ESK-Comp3 PC **

13:30-14:00 - Lecture/training - **Falk Herwig** - From stellar simulations to nucleosynthesis. Introduction to afternoon activities.
14:00-15:30 - Afternoon python activities - Stellar data mining

15:30-15:50 coffee break

15:50-17:20 Afternoon python activities - Stellar data mining

-- Tuesday 18th September --

** Building-room: Applied Sciences - ELT**
chair: Claudia Lederer

09:15-10:35 - Lecture 1 - **Chris Fryer** - Stellar explosions

10:35-11:00 - coffee break

11:00-12:20 - Lecture 2 - **Rene Reifarth** - Nuclear experiments and theory.

12:20-13:30 - Lunch break

**Building-room: ESK-Comp3 PC **

13:30-14:00 - Lecture/training - **Ondrea Clarkson** - Nucleosynthesis calculations for nuclear astrophysics.
14:00-15:30 - Afternoon python activities - nucleosynthesis simulations for newbie

15:30-15:50 coffee break

15:50-17:20 - Afternoon python activities- nucleosynthesis simulations for newbie

-- Wednesday 19th September --

**Building-room: Allam Medical Building - LT2 **
chair: Benoit Cote

09:15-10:35 - Lecture 1 - **Raphael Hirschi** - Stellar nucleosynthesis components for GCE.

10:35-11:00 - coffee break (school photo)

11:00-12:20 - Lecture 2 - **Brad Gibson** - GCE, from Tinsley to modern cosmological simulations.

12:20-13:30 - Lunch break

** Building/room: ESK-Comp3 PC **

13:30-14:00 - Lecture/training - **Benoit Cote** - From stellar yields to GCE, sygma/omega.
14:00-15:30 - Afternoon python activities - GCE with NuPyCEE

15:30-15:50 coffee break

15:50-17:20 - Afternoon python activities - GCE with NuPyCEE