

# **Nuclear physics and r-process nucleosynthesis**

**Friday 15 May 2015 - Friday 15 May 2015**

**School of Physics and Astronomy, The University of Edinburgh**

## **Scientific Programme**

**We will offer sandwiches and refreshments from 12:15.**

**time**

**speaker**

**title**

12:50

Opening words

13:00

Norbert Christlieb

(Univ. of Heidelberg)

Observations of r-process elements in old stars

13:40

Nobuya Nishimura

(Keele University)

Astrophysical models of the r-process based on multi-dimensional hydrodynamical simulations

14:10

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Marius Eichler</div>

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(Univ. of Basel)</div>

The Role of Fission in Neutron Star Mergers and its Impact on the r-Process Peaks

14:30

coffee break

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15:00

Giuseppe Lorusso

(NPL)

(Experimental nuclear physics)

15:40

Tomislav Marketin

(Univ. of Zagreb)

Beta decay properties of neutron rich nuclei

16:10

Iris Dillmann

(TRIUMF)

Beta-delayed neutron sensitivity studies with the code r-Java

16:30

Chris Griffin

(Univ. of Edinburgh)

The Advanced Implantation Detector Array (AIDA)

16:45

## Final discussion