



University
of Glasgow

UK Nuclear Physics (STFC-funded)

D. G. Ireland



4-5 September 2017

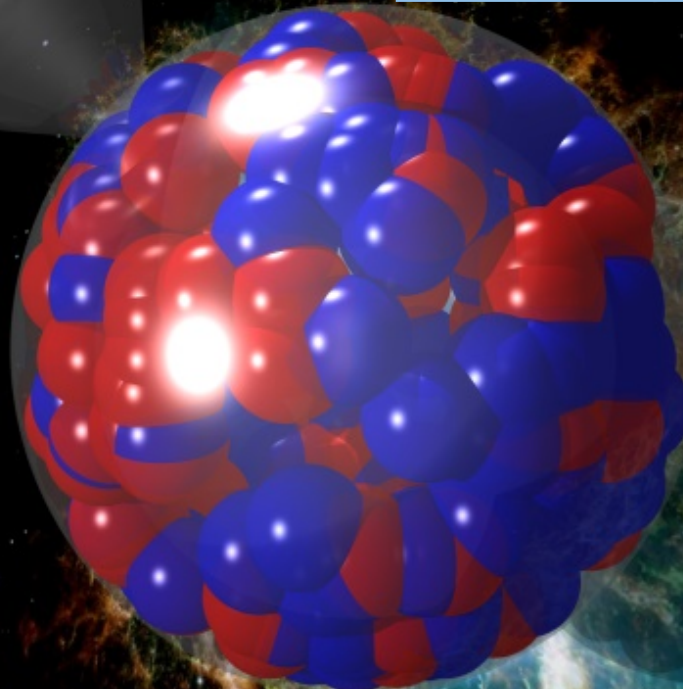
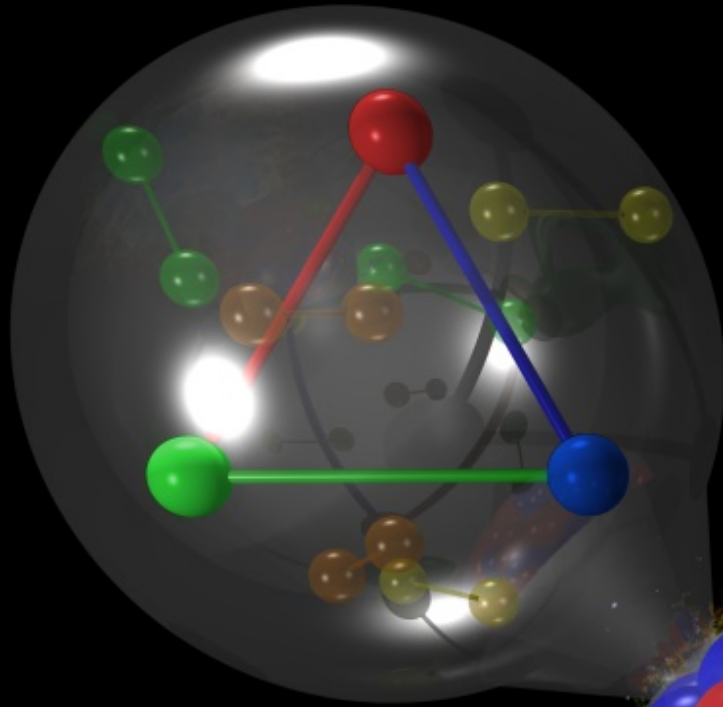
Nuclear Academics Meeting, Lancaster University

STFC provides support for experimental and theoretical nuclear physics, including:

- Experimental work carried out at facilities
- Design and research and development of instruments and detector systems
- Analysis and interpretation of data
- Development and study of theoretical frameworks.

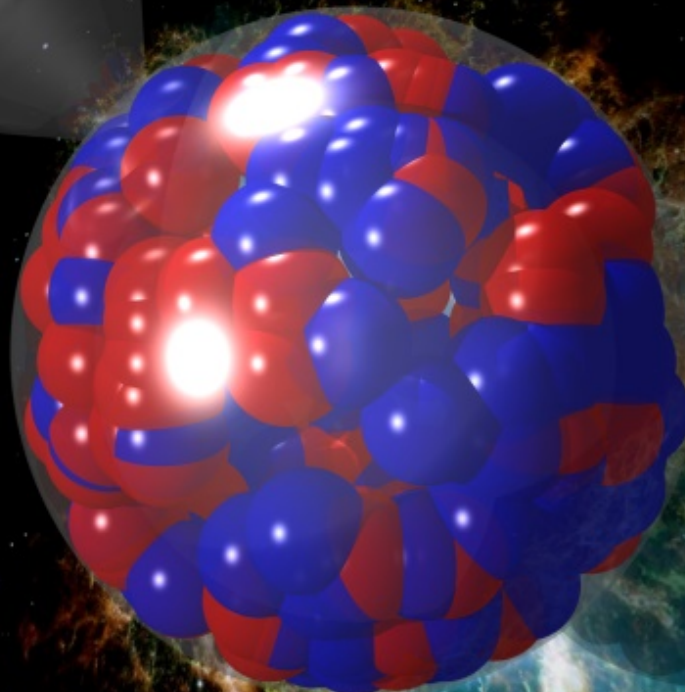
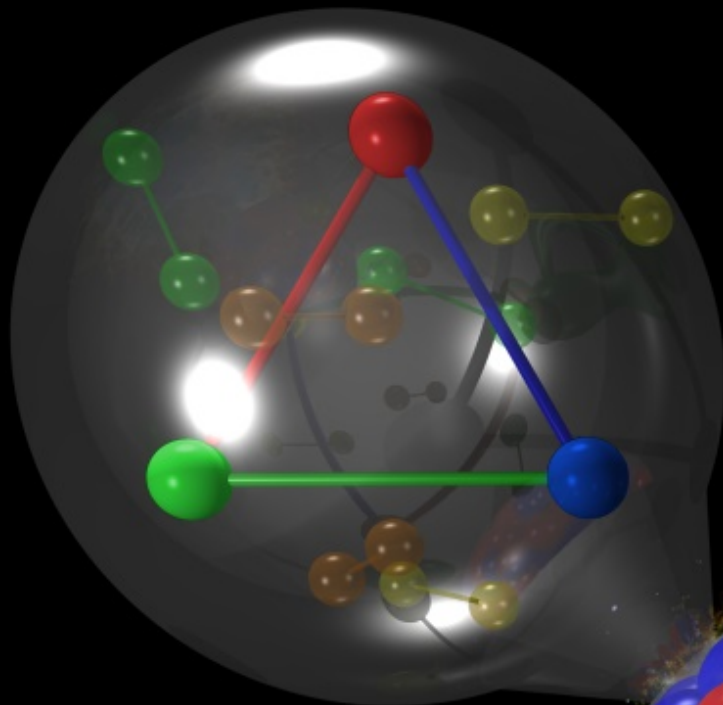


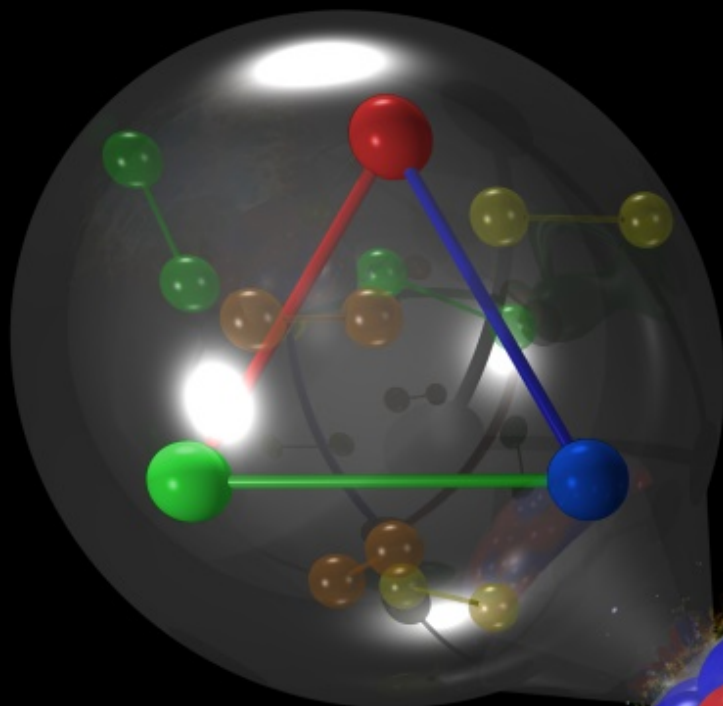
- Nuclear structure
- Nuclear astrophysics
- Hadron physics
- Phases of strongly interacting matter



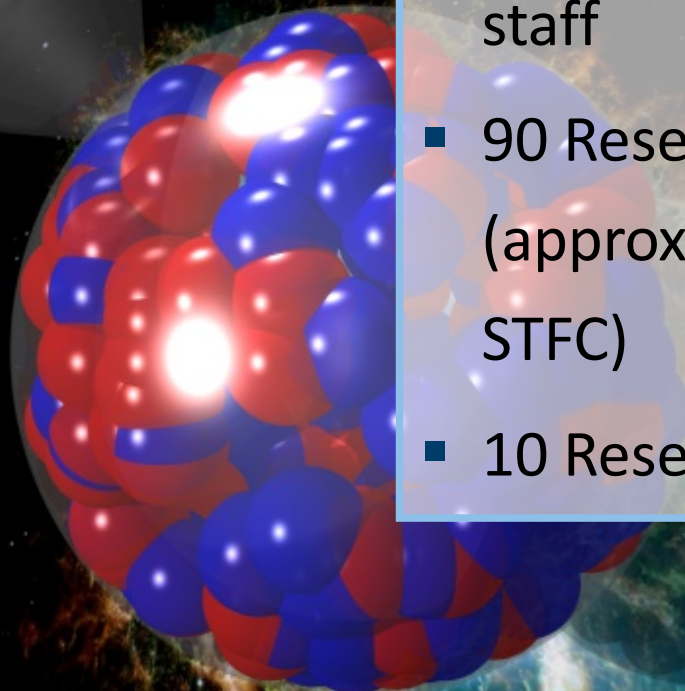


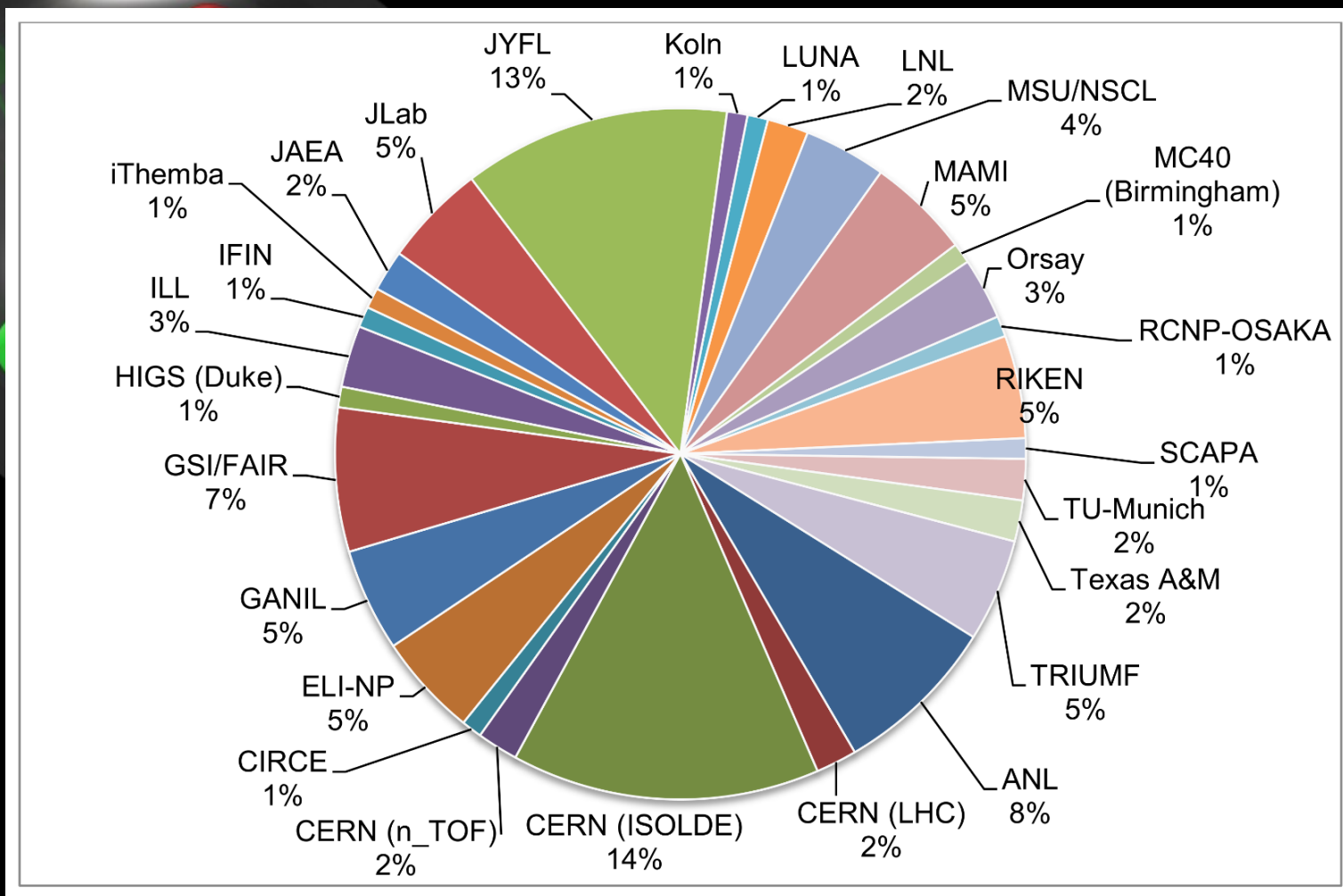
- Industrial Nuclear Data
- Public Engagement & Outreach
- Applications and Innovation

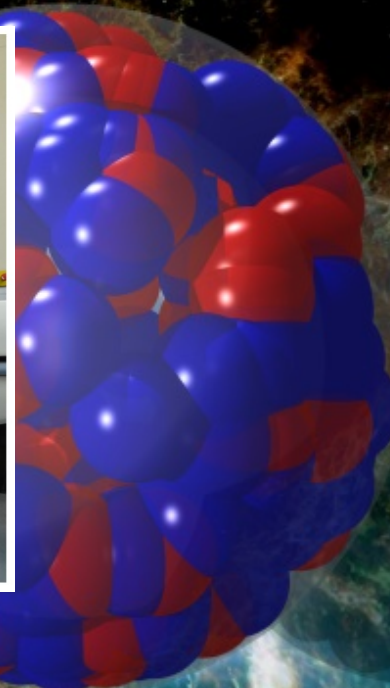
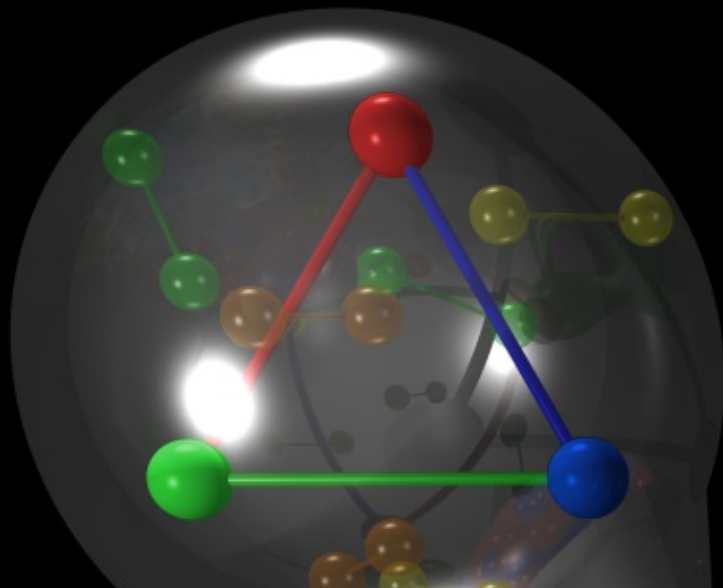




- 65 academic/faculty staff
- All (except 3 at STFC Daresbury) are University funded
- 60 Research and Professional staff
- 90 Research students (approximately 48 funded by STFC)
- 10 Research groups









The **RCUK Energy Programme** supports research into Nuclear Fission power generation, including:

- Decommissioning of nuclear facilities
- Treatment of nuclear waste for recycling within the fuel cycle or for disposal
- The nuclear fuel cycle
- Current nuclear facility operation
- New nuclear build and advanced reactor technology

EPSRC supports fundamental research relevant to Nuclear Power in the following research areas:

- Plasmas and lasers
- Materials engineering – metals and alloys
- Performance and inspection of mechanical structures and systems
- Instrument Development
- Nuclear fusion