



Nuclear Physics Consolidated Grant Statistics 2017

1. Summary Statistics

1.1. The table below shows summary statistics for the Nuclear Physics Consolidated Grant Reviews from 2011 – 2017.

Measure	2011	2014	2017
Number of proposals	8	8	8
Number of institutes	10	10	11
Number of scientific themes	34	35	35
Academics – Number (Requested)	46	52 (58) ¹	53 (65) ²
Academics - Average FTE	14.5%	11%	9%
Academics – Total FTE per year	6.3	5.6	4.5
PDRA – Number	29	21	27
PDRA - Total FTE per year	18.3	16.1	18.2
Core Posts – Number	11	12	9
Core Posts - Total FTE per year	8.3	7.9	6.8
Cross Community - Number	13	14	16
Cross Community - Total FTE per year	12.1	10.3 ³	11.3
Number of Studentships	2	1	3
Technician - Total FTE per year	-	2.1	2.9
Total Number of FTE per year	47 ⁴	43	46.7

¹ Does not include 3 emeritus posts

² Does not include 6 emeritus posts and 1 Royal Society Fellow

³ An additional 6.4 FTE of cross-community effort was supported through the ALICE Upgrade and ISOL-SRS projects. The previously funded baseline level of cross-community effort is approximately 12 FTE per year.

⁴ Does not include Technician effort

1.2. Below is a summary of how the themes were banded by the NPGP for 2017, 2014 and 2011. The banding is decided by the NPGP during each grant round, therefore band categories should not be directly compared across grant rounds.

1.3. In 2014 and 2017 an additional three themes requested cross community effort and were not ranked against the remaining 35 scientific themes. Support for cross community effort was recommended on the basis of the funded science programme.

2017	Number	Percentage
Top Priority Themes	10	29
High Priority Themes	9	26
Medium Priority Themes	12	34
Low Priority Themes	4	11
Total Themes Requested	35	100

2014	Number	Percentage
Themes recommended for baseline funding	9	26
Themes recommended for sub-optimal baseline funding	17	49
Themes recommended minimal support	9	26
Total Themes Requested	35	100

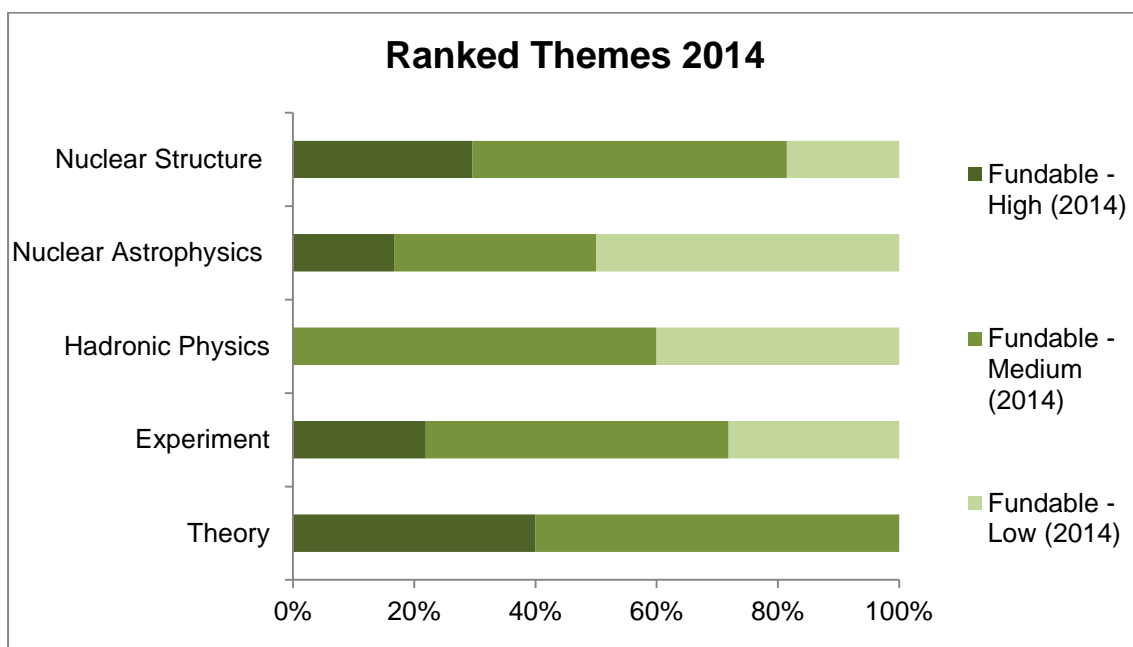
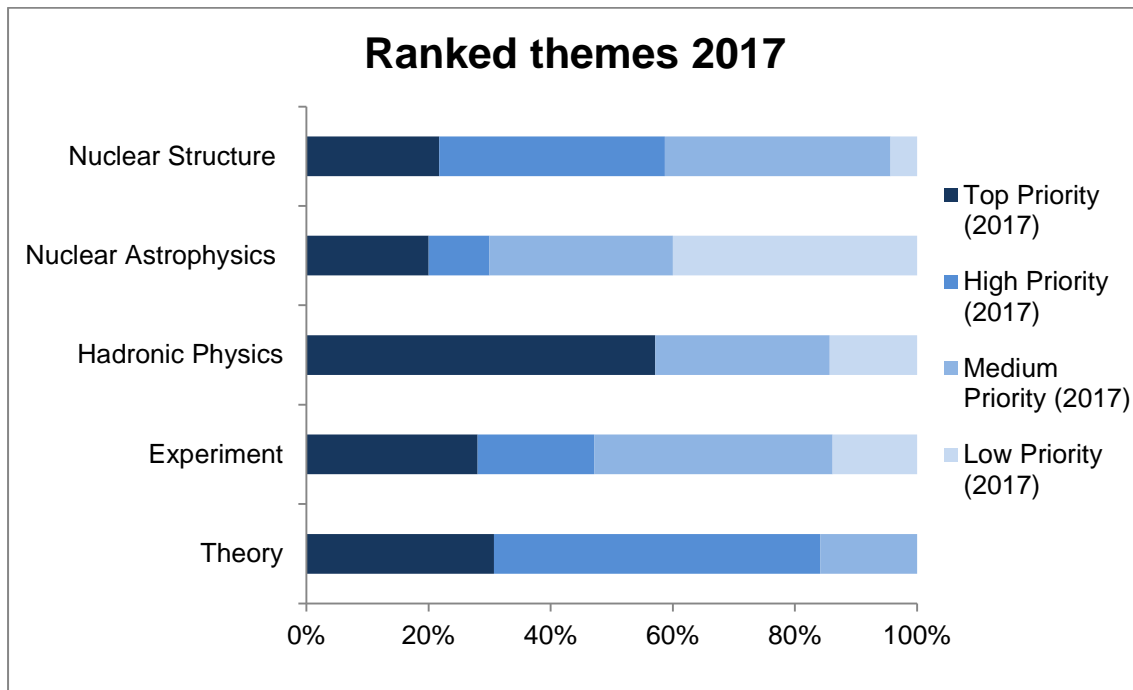
2011	Number	Percentage
Themes recommended for full funding	15	44
Themes recommended for sub-optimal funding	10	29
Themes not specifically allocated funding	9	26
Total Themes Requested	34	100

2. Balance of Programmes

2.1. The balance of the requested programme across the subject areas and experiment/theory is shown in the table below. The 2017 round showed a slight increase in PDRAs and academics for Hadronic Physics and a slight decrease for Nuclear Structure. However, the balance of themes remains approximately consistent with Consolidated Grant Round 2014. There has been an increase in theory activity, largely as a result of the STFC support for the new theory group at the University of York.

	Percentage of Themes		Percentage of PDRAs (by FTE)		Percentage of Academics (by FTE)	
	2014	2017	2014	2017	2014	2017
Nuclear Structure	64%	66%	62%	54%	68%	61%
Nuclear Astrophysics	16%	14%	13%	14%	14%	16%
Hadronic Physics	20%	20%	25%	32%	18%	23%
Total	100%	100%	100%	100%	100%	100%
Experiment	89%	83%	87%	82%	83%	75%
Theory	11%	17%	13%	18%	17%	25%
Total	100%	100%	100%	100%	100%	100%

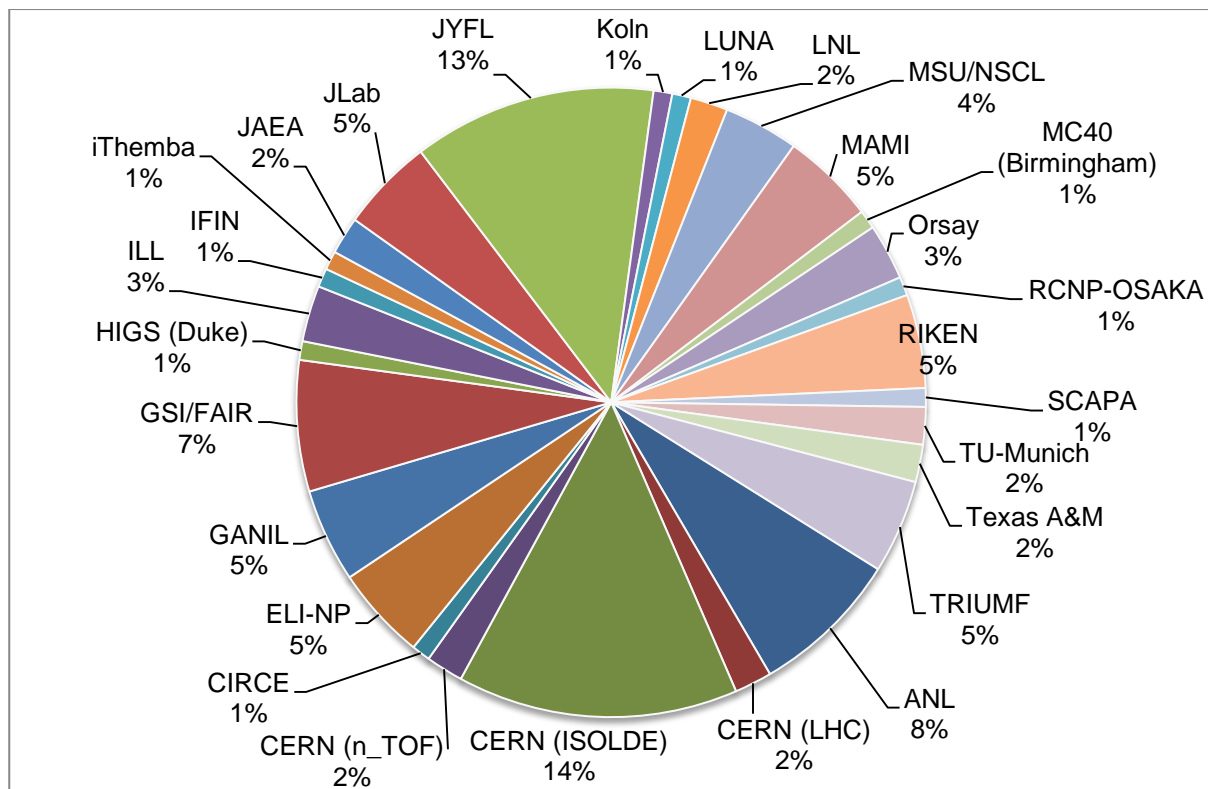
2.2. The graphs below identify how themes were ranked according to scientific area for 2014 and 2017. In 2017 there were 23 themes related to nuclear structure, five to nuclear astrophysics and seven to hadronic physics. Whereas in 2014, 22 themes related to nuclear structure, six to nuclear astrophysics and seven to hadronic physics.



3. Use of Facilities

3.1. The requested facility usage for 2017 is provided in the pie chart below. The nuclear physics community carries out experimental work in several different labs (30 identified); the strategy being to select the facility that best matches the scientific goals of a measurement. This has been the modus operandi of the UK nuclear physics community for at least twenty years. The most requested facility usage was CERN followed by Jyvaskyla, ANL and GSI/FAIR.

3.2. The data was taken from Form X submissions and is based on the count of facilities proposed to be used as part of the requested research programme. Where more than one experiment is proposed at the same facility within a theme, this is not reflected. The actual usage of facilities may vary depending on the awarded programme.



4. Further Information

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