



EWON-WG1: PHYSICS

Basic information to be collected by the national coordinators from all institutions

1. Listing of Human Resources
2. Classification and “Location” of Research Activities
3. Status and Sources of Funding
4. Recommendations





Sorting the scientific “population” ...

<u>A</u> Tenured posts	<u>B</u> Fixed-term posts	<u>C</u> Students	<u>D</u> Supporting personnel	<u>E</u> Retirements - Replacements
Professors Researchers Lectures Other	Post docs Marie Curie Grants Contracts Other	Ph.D. students Master’s students Diploma students Other	Engineers Technicians Lab. Assistants Administration Other	Give numbers for each category and extrapolate to 2015

- Indicate for every category: a) total numbers, b) ratios: Theory/Expm, A/B, A/C, A/D, A/E
- Give average age (or age limits) for each category.
- Short description of the personnel’s hiring and evaluation system (if any).
- If applicable, give number of scientists of each category spending most of their time abroad and comment if this is due to local problems in a) infrastructure, b) low salaries, c) other.
- Comment on brain drain (if any).
- Include anything else of importance !

GOLDEN RULE: If necessary, average numbers over the last 3 years





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2. Research activities

NuPECC's CLASSIFICATION SCHEME		<u>1. PERSONNEL</u> Give number of posts currently employed in each category of research activity and personnel type (see table 1.). Use fractions of posts to avoid multiple counting if necessary. Check for “overruns”. Give ratios A/C and A/E (as defined in table 1.) for every category (i.-ix.). <u>2. PLACE(S) OF WORK AND MAJOR COLABORATIONS</u> Describe very briefly the scientific problem of the activity and its impact in nuclear physics research. Indicate where the activity is performed (in situ, in own country, where in abroad, etc). Indicate any participation in key EC R&D projects related to Large European Infrastructures. If the activity is realized within a (national, european, international) collaboration (which?) give the relevant web site. Specify the type of contribution to the collaboration (data analysis, detector development, construction of hardware, etc.). <u>Especially for ix:</u> indicate how much man-months are devoted for this purpose and % of time (e.g., beam hours) delivered to external users. Indicate nationality of external users. <u>3. FUNDING</u> Indicate sources and amount of funding/year. Clarify if salaries are included. Give % of national and European contribution. Give % of funding relative to institutions total budget excluding salaries. <u>4. PUBLICATIONS</u> Cite up to 3 recent publications of the activity in peer-reviewed journals. Add any publication popularizing the scientific problem.
i.	QCD	
ii.	Phases of Nuclear Matter	
iii.	Nuclear Structure	
iv.	Nuclei in the Universe	
v.	Fundamental Interactions	
vi.	Applications of Nuclear Science	
vii.	Running user facilities	
viii.	Accelerator and detector R&D	
ix.	Providing user facilities	





National Funding "System"	Give a short description of the national funding system and estimate the "position" of nuclear physics groups within this system. Compare with other scientific fields. If possible, indicate (or estimate) the total funds (in €) of nuclear physics groups / year. Give % contribution of EC. In case of an EC contribution, are you receiving additional funds from your national funding agency because you have "attracted" EC funds?
Institute's funding	Describe the pathways of funds to your institution. Is the funding flowing directly to your institution from a national funding agency after evaluation of an application or are you receiving some % of funds granted to a "higher" level decision committee (e.g. the rector or dean decides who receives how much) ?. In both cases, indicate the % of amount retained as management costs from your institution or central administration.
Grants & Scholarships	Are grants and scholarships available to young nuclear physicists to perform PhD studies? Give an average deviation of a scholarship from a) a tenured-post salary, b) a Marie-Curie grant in "west" Europe using net amounts. Indicate % of scholarships and grants in nuclear physics at national / institutional level.
Funding of nuclear physics activities	Give the total number of nuclear physics funding -excluding salaries- in your institution and its distribution (%) to the different categories (i.-ix.) of table 2. If possible, distinguish between national and EC funds. Give the ratio: net-funding/salaries.
Other	Include any relevant information of importance !!!



There will certainly be lots of recommendations based on the, already well known, vibrant character of the EWON Nuclear Physics community. However, it is of key importance to reveal the potential of the EWON countries that can justify:

- EC support to upgrade existing facilities.
- hosting of new or complementary facilities of regional and European scientific impact.
- submission of an I3 proposal within the next FP7.