

NuPECC Today

30 years of NuPECC

Marek Lewitowicz
Chair of NuPECC

The European Expert Board
for Nuclear Physics
hosted by European Science
Foundation

Representing
about 6000 scientists

Members: 31 representatives
from 20 countries, ESFRI NP
Infrastructures & JINR Dubna
2 associated members
5 observers

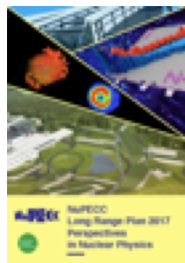
3 regular Committee meetings/y



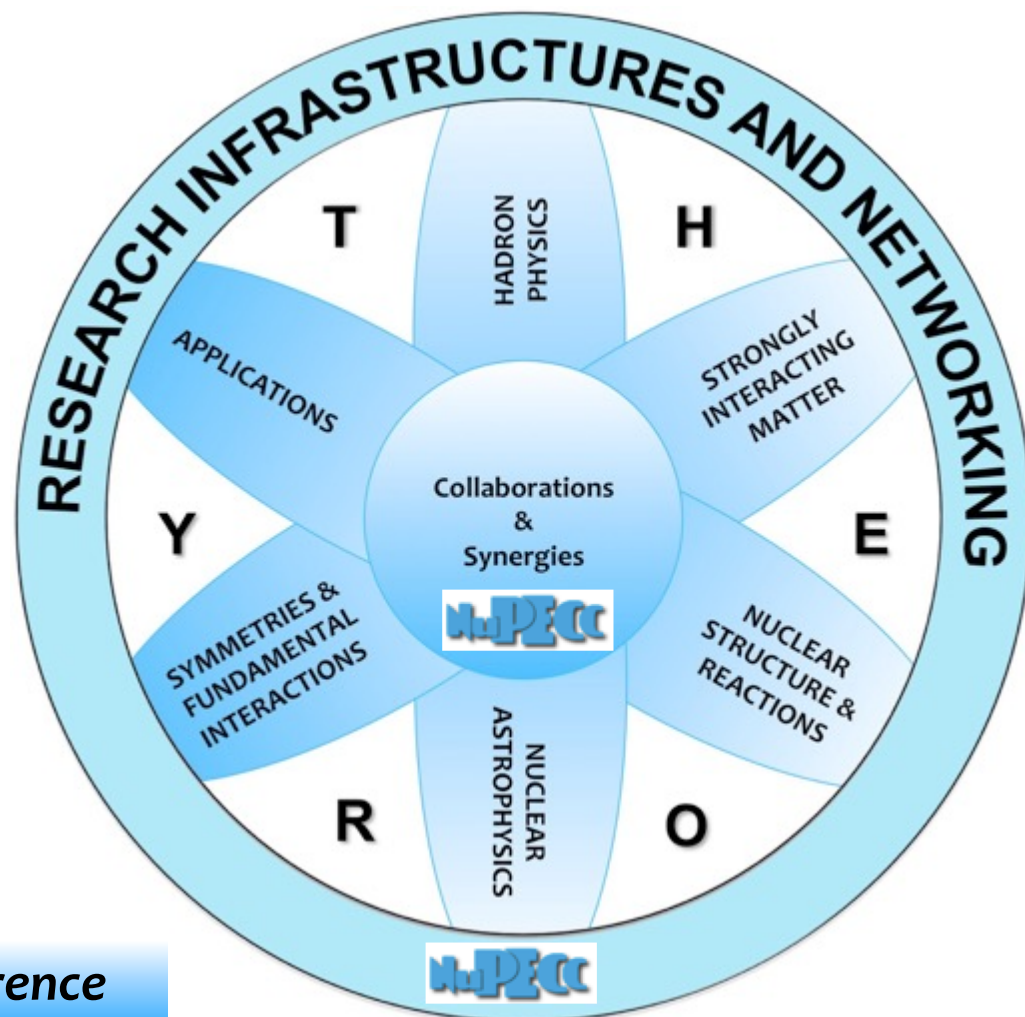
The objective of NuPECC is to:

- develop the strategy for European Collaboration in nuclear science by supporting collaborative ventures between research groups within Europe

-> Long Range Plan
2017 edition



- promote nuclear physics and its trans-disciplinary use in applications for societal benefit



Updated NuPECC Terms of Reference



- **New approved associated members (non-European countries)**
 - iThemba Labs (South Africa) & Nishina Centre at RIKEN (Japan)
- **New NuPECC members**
 - Slovakia & ELI-NP : candidatures to be presented at the Bucharest meeting tomorrow
 - Candidates: Slovenia, Bulgaria, MYRRHA
- **(New) Activities**
 - Regular update on the evolution of Nuclear Physics and Nuclear Physics infrastructures in the NuPECC member states
 - Regular update on the activities of sister organisations: IUPAP (C12 & WG9), NSAC (US), NSERC (Canada), ANPhA (Asia), ALAFNA (S. America), AAPEC (Astro-particles) and (R)ECFA (Particle Physics)

- **New NuPECC management group since Jan. 2018**



Marek Lewitowicz
Chair



Eberhard Widmann
Deputy Chair



Sissy Koerner
Scientific
Secretary



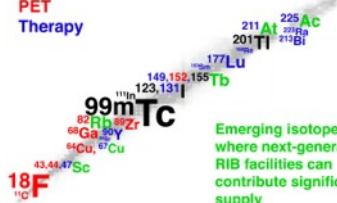
Paul Greenlees
Treasurer

- **Tasks**

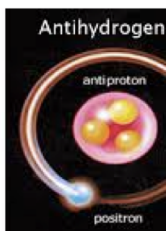
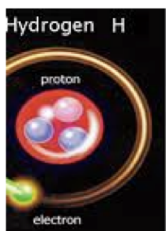
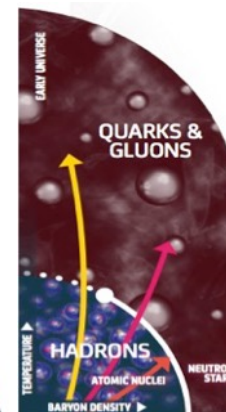
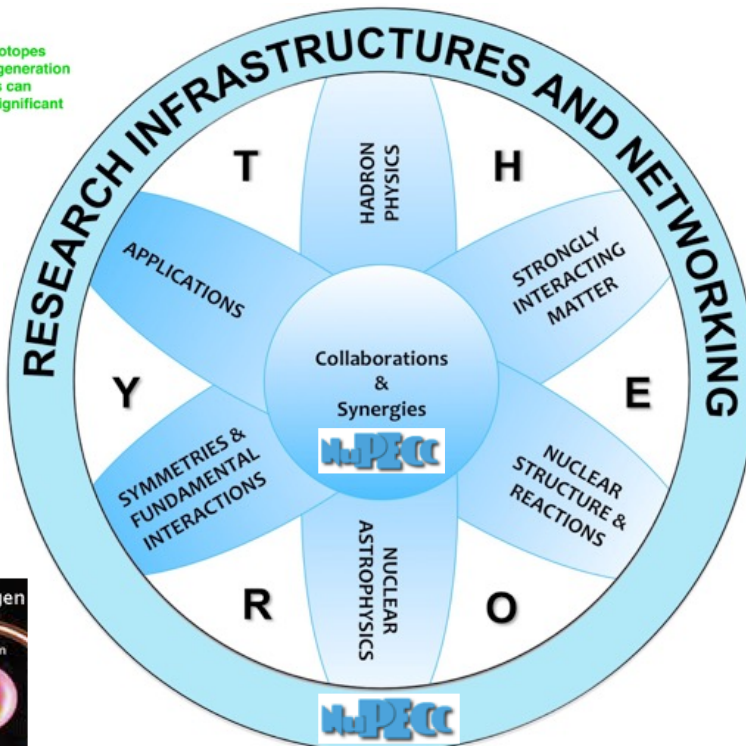
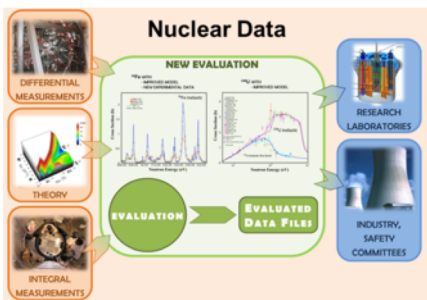
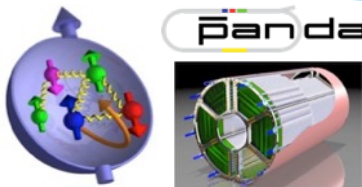
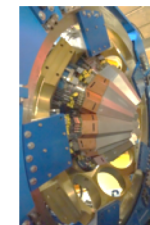
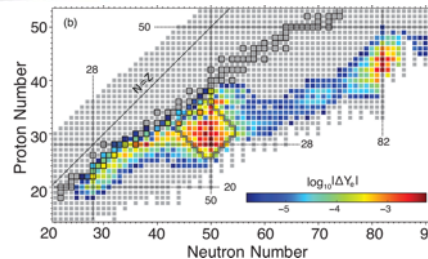
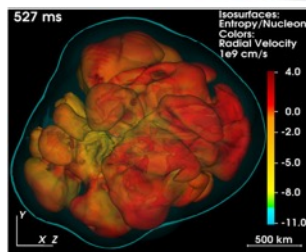
- Detailed and regular (at least monthly) follow-up of all NuPECC activities
- Preparation of the regular NuPECC meetings

Nuclear medicine perspective

SPECT
PET
Therapy



Emerging isotopes where next-generation RIB facilities can contribute significant supply

- **Mission**

- promote and lobby for the implementation of the LRP recommendations in the European countries

- **Composition**

- NuPECC representatives of the ESFRI facilities under construction, namely of ELI-NP, FAIR/GSI, GANIL/SPIRAL2, JINR/NICA&SHEF and NuPECC Chair, Deputy Chair, NuPECC Scientific Secretary and NuPECC representative(s) of visited country

- **Modus Operandi**

- meetings with major European organizations and national ministries/funding agencies

- ***So far meetings took place in:***

- *Norway*
- *UK - STFC*

- *Next meetings in Romania, Poland, Dubna, IAEA, Austria,...*

NuPECC is monitoring evolution of:

- **Nuclear Physics infrastructures on the European Strategy Forum on Research Infrastructures roadmap**



ROADMAP 2018

Nuclear Physics infrastructures

- Landmark infrastructures: FAIR and SPIRAL2
- Projects: ELI-NP, MYRRHA & IFMIF – DONES (new)
- Intern. projects complementary to ESFRI projects: NICA in Dubna

- **Participation of Chair of NuPECC in the ECFA (European Committee for Future Accelerators-Particle Physics) meetings**
- **ECFA Chair invited to NuPECC meetings**
 - NuPECC participation in the ongoing definition of the European Strategy for Particle Physics
 - ECFA-APPEC-NuPECC working group on Diversity Charter
 - Joint ECFA-APPEC (Astroparticle Physics) - NuPECC Meeting in 2019



Nuclear structure reactions and applications
Contract 2016-2020
New project under preparation

- GANIL (France)
- LNL-LNS (Italy)
- ISOLDE (CERN)
- JYFL (Finland)
- ALTO (CNRS, France)
- GSI (Germany)
- KVI (The Netherlands)
- NLC (HIL/IFJ PAN, Poland)
- IFIN-HH/ELI-NP (Romania)
- ECT* (Italy)



Hadron physics STRONG-2020
Funded
October 2018

- CERN (LHC, COMPASS fixed target)
- GSI/FAIR (Germany)
- LNF, Frascati (Italy)
- MAMI, Mainz (Germany)
- ECT*, Trento (Italy)
- ELSA, Bonn (Germany)
- COSY, Julich (Germany)



- **Nuclear Physics News International Journal**

- Strong and internationally recognized point of the NuPECC activities
- Special edition related to the UNESCO 2019 Year of periodic table of elements



- **Public Awareness in Nuclear Physics (PANS)**

- New members and new activities under preparation
<http://www.nupecc.org/pans/index.html>

- **NuPECC support for Nuclear Physics conferences since July 2018 (3 this years, 5 in 2019)**

- **New roll-up, update of the Web page, meetings on Indico,...**



- The 2017 NuPECC Long Range Plan defined an ambitious strategy for European Nuclear Physics
- NuPECC efforts to transform the LR Plan into reality
- Collaboration with European Particle Physics and Astroparticle Physics communities
- Development of a global international approach to nuclear science



NuPECC logo was created by 1988 at the initiative of Claude Detraz by Jean-Pierre ANAZEL, a French designer working in Caen, Normandy

**Let me wish NuPECC
the next 30 Years of fruitful activities**