

Minutes
of the Ninety-Ninth Meeting of the
Nuclear Physics European Collaboration Committee (NuPECC)
held in Liverpool and online on March 4 and 5, 2021

Participants: Rolf-Dietmar **Herzberg**

Remote: Gert **Aarts** (ECT*), Faiçal **Azaiez** (iThemba), Diego **Bettoni**, Sandrine **Courtin**, Jens Jørgen **Gaardhøje**, Andreas **Görgen**, Joaquin **Gomez Camacho**, Paolo **Giubellino** (FAIR), Sotirios **Harissopulos**, Andreas **Haungs** (APPEC), Tord **Johansson**, Karl **Jakobs** (ECFA), David **Ireland**, Nasser **Kalantar – Nayestanaki**, Rituparna **Kanungo** (CINP), Gabriele - Elisabeth **Körner** (Scientific Secretary), Yvonne **Leifels**, Alinka **Lépine-Szily**, Marek **Lewitowicz** (Chair) (SPIRAL2), Weiping **Liu** (ANPhA), Adam **Maj**, Ulf-G. **Meißner**, Eugenio **Nappi**, Gerda **Neyens**, Lucia **Popescu** (MYRRHA), Danas **Ridikas** (IAEA), Franck **Sabatié**, Hiroyoshi **Sakurai** (RIKEN), Boris **Sharkov** (JINR), Hans **Ströher**, Itzhak **Tserruya** (Israel), Ioan **Ursu**, Martin **Venhardt**, Vladimír **Wagner**, Nicolas **Walter** (ESF), Eberhard **Widmann** (Deputy Chair) and György **Wolf**

Remote Guests: Navin **Alahari**, Angela **Bracco**, Barbara **Erazmus**, Muhsin N. **Harakeh**, Witek **Krasny**, Giovanni **Lamanna**, Nicu **Marginean**, Witold **Nazarewicz**, Michel **Spiró**, Thierry **Stora**, Peter **Thirolf**, Jochen **Wambach** (ECT*), and Hans **Wilschut**.

Indico: <https://indico.ph.tum.de/event/6784/> (nupecc_liv)

Agenda

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23. H2020 ESCAPE Project (Giovanni Lamanna)
24. PANS (Rolf-Dietmar Herzberg)
25. NPN (Angela Bracco)
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1. Approval of the Agenda

The accepted agenda is given on page 2.

2. Apologies for Absence

Eduardo **Alves**, Paul **Greenlees**, David **Hertzog** (NSAC), Bernd **Krusche**, Raimond **Snellings** and Calin **Ur** (EPS/NPB) could not attend.

3. Minutes of the Previous Meeting

The minutes of the ninety-eighth meeting held in Jyväskylä and online on October 15 and 16, 2020, are agreed upon without changes and will thus be put on the NuPECC Website.

4. Chair's Business

Marek Lewitowicz welcomes the new NuPECC Representative, Diego Bettoni, replacing Angela Bracco, the new ECFA Observer Karl Jakobs, replacing Jorgen D'Hondt, and the new APPEC Observer Andreas Haungs, replacing Teresa Montaruli.

Marek Lewitowicz reports on his activities for NuPECC; his presentation can be found on the NuPECC Indico site. The main items addressed were:

- Nomination of NuPECC Deputy Chair, Treasurer and Scientific Secretary
Eberhard Widmann (Deputy Chair), Paul Greenlees (Treasurer), and Gabriele-Elisabeth Körner (Scientific Secretary) are appointed unanimously.

- NuPECC Questionnaire results and first actions

Answers have been received from 26 (out of 34) NuPECC representatives; the results are given on page 7; Task Force meetings are suspended until in-person meetings are possible again, but are envisaged next for Italy, CERN and Greece; the next Long Range Plan should be launched after consulting with the major players (NuPECC members ministries/funding agencies/infrastructures) and an assessment of the implementation of the LRP 2017.

- Review of NuPECC activities 2014 - 2020

The report from the review panel Michel Spiró (Chair), Witold Nazarewicz, Peter Thirolf and Hans Wilschut was received by the NuPECC Chairs on February 11, 2021, and sent to all NuPECC Representatives for comments on February 23, 2021. Michel Spiró will present the report under point 26 of the agenda.

- Joint ECFA – NuPECC – APPEC actions

The next (2nd) JENAS is planned for May 3-6, 2022, in Madrid; the past chairs of APPECC and ECFA will take part in the organizing committee.

After some discussion, the WG on diversity decided to separate the charter itself from the monitoring; some legal problems concerning privacy still need to be solved.

- Support actions and lobbying

Franck Sabatié should report for the WG on EIC – European Participation at the next meeting.

The new proposal for nuclear physics under Horizon Europe EURO-LABS will be discussed under point 22 of the agenda.

The new special report “Nuclear Physics in Everyday Life” is progressing; drafts are being worked on with a professional science writer.

All NuPECC Members are urged to provide information for the various topical pages of the NuPECC Website.

- Budget Plan 2021

is shown by Marek Lewitowicz; the positive balance will be used for the special report, JENAA Eols and IYBSSD; support for conferences that has been approved previously can be used when the postponed conference is actually taking place;

5. Five years of ECT* Director

Jochen Wambach reports on the activities of ECT* under his directorship; his presentation can be found on the NuPECC Indico site. Marek Lewitowicz thanks him on behalf of NuPECC for all his work.

6. ECT* in 2021 and beyond

Gerd Aarts reports on the activities of ECT*; his presentation can be found on the NuPECC Indico site. He stresses the importance of scientific independence and the bottom-up approach. Marek Lewitowicz thanks Gerd Aarts for acting as interim director as well as Diego Bettoni and Eugenio Nappi for their help; the situation with the envisaged new director is close to being solved. All NuPECC Members are urged to stress the importance of ECT* and its support when interacting with their funding agencies.

7. News from FAIR/GSI

Paolo Giubellino reports on the progress of FAIR/GSI; his presentation can be found on the NuPECC Indico site.

8. News from GANIL-SPIRAL2

Navin Alahari reports on the progress of SPIRAL2; his presentation can be found on the NuPECC Indico site.

9. News from MYRRHA

Lucia Popescu reports on the status of MYRRHA; her presentation can be found on the NuPECC Indico site. Possible support of NuPECC for the launch of a call for Eols will be discussed with the Management Group directly.

10. News from ELI-NP

Nicu Marginean reports on the activities at ELI-NP; his presentation can be found on the NuPECC Indico site.

11. News from ALAFNA

Alinka Lépine-Szily reports on the activities of ALAFNA; her presentation can be found on the NuPECC Indico site. NuPECC (possibly the Task Force) should be present at the next ALAFNA meeting in Mexico in 2022.

12. News from JINR

Boris Sharkov reports on the activities at JINR; his presentation can be found on the NuPECC Indico site.

13. News from ECFA

Karl Jakobs reports on major ECFA activities; his presentation can be found on the NuPECC Indico site.

14. News from APPEC

Andreas Haungs reports on the activities of APPEC; his presentation can be found on the NuPECC Indico site.

15. News from ANPhA

Weiping Liu reports on the activities at ANPhA; his presentation can be found on the NuPECC Indico site.

16. EPIC Proposal at ISOLDE

Gerda Neyens reports on the activities proposal; her presentation can be found on the NuPECC Indico site.

17. Charged Particle EDM Projects

Hans Ströher reports on the projects; his presentation can be found on the NuPECC Indico site.

18. Gamma Factory at CERN

Witek Krasny reports on the projects; his presentation can be found on the NuPECC Indico site.

19. PRISMAP – New H2020 Integrating Activity Project

Thierry Stora reports on the projects; his presentation can be found on the NuPECC Indico site.

20. News from ENSAR2

Muhsin N. Harakeh reports on the activities of ENSAR2; his presentation can be found on the NuPECC Indico site.

21. News from STRONG2020

Barbara Erasmus reports on the activities of STRONG2020; her presentation can be found on the NuPECC Indico site.

22. New Integrating Activity Horizon Europe Project in NP

Navin Alahari reports on the activities towards EURO-LABS; his presentation can be found on the NuPECC Indico site. Apparently the Commission expects one common proposal from nuclear and particle physics, so discussion with CERN is ongoing.

23. H2020 Project ESCAPE

Giovanni Lamanna reports on ESCAPE; his presentation can be found on the NuPECC Indico site.

24. PANS

Rolf-Dietmar Herzberg reports on the progress of the PANS activities towards NuPRO – a repository of Nuclear Physics Resources for Outreach; his presentation can be

found on the NuPECC Indico site. More participation is needed; Marek Lewitowicz will motivate EPS DNP.

25. NPN

The next meeting of the Editorial Board will be held online on March 6, 2021, right after the NuPECC Meeting; all NuPECC Members are encouraged to propose possible contributions, in particular for the field of hadron physics.

26. NuPECC Review – Presentation of the Report

Michel Spiró presents the report from the panel; the report can be found in the Members' Area of the NuPECC Website and was sent to the NuPECC Representatives on February 26, 2021. NuPECC has the occasion to add comments to the report; the reply from NuPECC will be added to the report as Chapter 5 before it will be finalised by ESF.

27. Modification of Terms of Reference

The proposal of the modified Terms of Reference – formally introducing the “Management Group” and opening the possibility for the Chair to be replaced by another representative from his or her nominating institution in order to be independent – was sent to all NuPECC Representatives on February 10, 2021. The modified Terms of Reference are approved and will be put on the NuPECC Website.

28. Place, Time and Topics of Next Meetings

If possible, the next (100th) meeting of NuPECC should be held in person in

September / October 2021, in Venice

In 2022 a NuPECC Meeting in Cape Town could be envisaged in connection with the International Nuclear Physics Conference to be held there.

Proposed topics for next meetings

- Quantum computing in nuclear physics
- Horizon Europe and research infrastructures (presentation from EC)
- Presentation from CINP
- ALICE
- NuPECC EIC Task Force
- JENA WG on Recognitions of Individual Achievements in Large Collaborations
- New EU projects ChETECH and RADNEXT
- IAEA Report “Climate Change and nuclear power”:
https://www-pub.iaea.org/MTCD/Publications/PDF/PUB1911_web.pdf

29. AoB

No other business.

München, April 12, 2021



(Gabriele - Elisabeth Körner)

Results of the Questionnaire 2021

Priority	Low	Medium	High	Very High	Weighted Sum*	Rank
1. Follow-up and lobbying for the implementation of the NuPECC Long Range Plan in the NuPECC member states and European Union political bodies	0	1	7	17	91	1
7. Support to and follow-up of the EU H2020 and Horizon Europe projects in nuclear physics and related areas (STRONG2020, PRISMAP, ChETECH, RADNEXT and others)	0	3	12,5	9,5	81,5	2
2. Organise in 2022 - 2023 a next Long-Range Plan in nuclear physics	2	5	6	12	78	3
5. Regular update at NuPECC meetings on status of major European nuclear physics facilities (ESFRI and others)	0	5,5	15,5	4	73,5	4
14. NuPECC sponsorship of nuclear physics conferences, symposia and schools	1	10	5,5	8,5	71,5	5
6. Support for new nuclear physics related projects (e.g. Charged Particle EDM, EPIC at ISOLDE, EIC in US, GAMMA Factory at LHC,...)	0	3,5	10,5	8	70,5	6
8. Joint actions with ECFA and APPEC (JENAS, EoI, Working Groups)	0,5	6,5	11	6	70,5	6
13. Elaboration of NuPECC Special Reports	0	3	12,5	6,5	69,5	8
3. Organise a survey on the situation of nuclear theory in Europe	3	5,5	11	4,5	65	9
12. Regular update on activities of sister organisations: IUPAP (C12 &WG9), NSAC, NSERC, ANPhA, ALAFNA	1,5	11,5	10	1	58,5	10
4. Communication and outreach activities in the framework of PANS and NuPEX	0,5	8,5	11	3	53,5	11
9. Joint actions of NuPECC and Nuclear Physics Board of the European Physical Society	2,5	11	6,5	2	52	12
10. Get on board new NuPECC members and associated members	6,5	8,5	6	2	49,5	13
11. Joint actions with the European Science Foundation	6	10	5	1	45	14

* Low + 2 x Medium + 3 x High + 4 x Very High