

GOALS OF THE ROUNDTABLE MEETING

Felix Yu (JGU Mainz)
for the programme committee

GOALS OF THE ROUNDTABLE MEETING

- The goal of the *Schwerpunktprogramme* (SPP) proposal is to establish a new, competitive funding line (15 M€ over 6 years) for FCCee theoretical physics projects for the broader German pheno community
- The goal of this 2-day roundtable meeting is to **gather input from the community** to help *make the proposal as strong as possible*

OUTLINE OF THE SPP PROPOSAL

- 25 pages total
- 1 Summary
- 2 State of the art of research and preliminary work
- 3 Subject-related list of publications
- 4 Merits of the proposal taking into account the objectives of the programme
 - 4.1 Originality of research questions in terms of topic and/or methodology
 - 4.2 Delimitation of scope taking into account the duration of a Priority Programme
 - 4.3 Coherence of planned research activities
 - 4.4 Strategies for collaborating / networking across disciplines and locations
 - 4.5 Promotion of researchers in early career phases
 - 4.6 Promotion of equity and diversity
 - 4.7 Handling of research data
 - 4.8 Networking of planned research activities within the international research system
- 5 Differentiation from other on-going programmes on related topic,
e.g. Collaborative Research Centres, Research Units, programmes by other funding organisations
- 6 Qualification of coordinator to manage a research network
- 7 List of potential applicants
- 8 Justification of requested funding amount for the first funding period of three years
- 9 Researchers with whom the programme committee members have collaborated scientifically within the past three years

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within the past three years
- Diagrammatic page counts:
- Items 1-3 are grouped with a bracket and labeled $1+10+2= 13$ pg.
 - Items 4-9 are grouped with a bracket and labeled 7 pg.
 - Item 5 is grouped with a bracket and labeled 2 pg.
 - Items 6-9 are grouped with a bracket and labeled 3 pg.

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- 25 pages total

Community input welcome!

*For Section 2, ESP materials will serve as basis,
but writing will need to balance the FCCee
physics case and “Why an SPP Theory Hub in
Germany?”*

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AGENDA

Roundtable discussion times are intended to gather community input and help draft key messages (with suggested focus sections)

Thursday

14:00

Grüßwort, DFG Introduction, Overview of Ongoing Related Programmes

Session | Convener: Felix Yu

14:00-14:04

Grüßwort

Speaker
Stefan Müller-Stach

14:04-14:05

Goals of the Rundgespräch

14:05-14:40

The Review Process and Review Criteria for Priority Programmes

Speaker
Manuel Krämer

14:40-15:00

Ongoing programmes - CRC TRR 257, "Particle Physics Phenomenology after the Higgs Discovery"

Speaker
Gudrun Heinrich

15:00-15:20

Ongoing programmes - GRK 2994, "Elementarteilchenphysik an Beschleunigern in der LHC Präzisionsära"

Speaker
Werner Porod

15:20-15:40

Ongoing programmes - GRK 2497, "Physik der schwersten Teilchen am Large Hadron Collider"

Speaker
Michal Czakon

15:40

Coffee, tea, snacks
Break

16:10

Ongoing programmes and Roundtable discussion: Community input for Section 2, "State of the art of research and preliminary work" and Section 5, "Differentiation from other on-going programmes"

Session | Convener: Giulia Zanderighi

Description

Strategy session to address
2 State of the art of research and preliminary work
5 Differentiation from other on-going programmes on related topic, e.g. Collaborative Research Centres, Research Units, programmes by other funding organisations

16:10-16:30

Ongoing programmes - RTG 2575, "Überdenken der Quantenfeldtheorie"

Speaker
Christophe Grojean

16:10

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Thursday 2 July

16:30-16:50

Ongoing programmes - RTG 3186, "Auf der Suche nach Hinweisen auf ein neues Standardmodell der Teilchenphysik"

Speaker
Heldi Rzehak

16:50-18:00

Roundtable discussion - Community input for Section 2, "State of the art of research and preliminary work" and Section 5, "Differentiation from other on-going programmes"

18:00

19:00

Group dinner in downtown Mainz - Lehmanns WeinBistro and Vinothek

21:30

Break

Friday

09:30

Interplay with European Strategy, International and National Community Partners

Session | Convener: Tilman Plehn

09:30-10:00

International Partners, focus on CERN-TH

Speaker
Matthew McCullough

10:00-10:30

Interplay with the 2026 European Strategy Update: Theory Challenges at the FCC-ee

Speaker
Jorge de Blas

10:30-10:45

Interplay with Experimental physics and Technology programs for FCC-ee

Speaker
Ulrich Husemann

10:45

Coffee, tea, snacks
Break

11:15

SPP Topical Focus

Session | Convener: Tilman Plehn

11:15-11:45

SPP Topical Focus - Overview of Flavor Physics at FCCee

Speaker
Marzia Bordone

11:45-12:15

SPP Topical Focus - BSM Searches at the Lifetime Frontier at FCCee

Speaker
Felix Kling

12:15

Catered lunch, coffee and tea
Break

14:00

SPP Proposal Preparation and Timeline

Session | Convener: Christophe Grojean

14:00-14:20

SPP Proposal Preparation and Timeline

Speaker
Felix Yu

14:20

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Friday 3 July

14:20

Roundtable Discussion: Community input for Section 2, "State of the art of research and preliminary work" and Section 4, "Merits of the proposal taking into account the objectives of the program"

Session | Convener: Christophe Grojean

Description

4 Merits of the proposal taking into account the objectives of the program
o Originality of research questions in terms of topic and/or methodology
o Delimitation of scope taking into account the duration of a Priority Programme
o Coherence of planned research activities
o Strategies for collaborating / networking across disciplines and locations
o Promotion of researchers in early career phases
o Promotion of equity and diversity
o Handling of research data
o Networking of planned research activities within the international research system

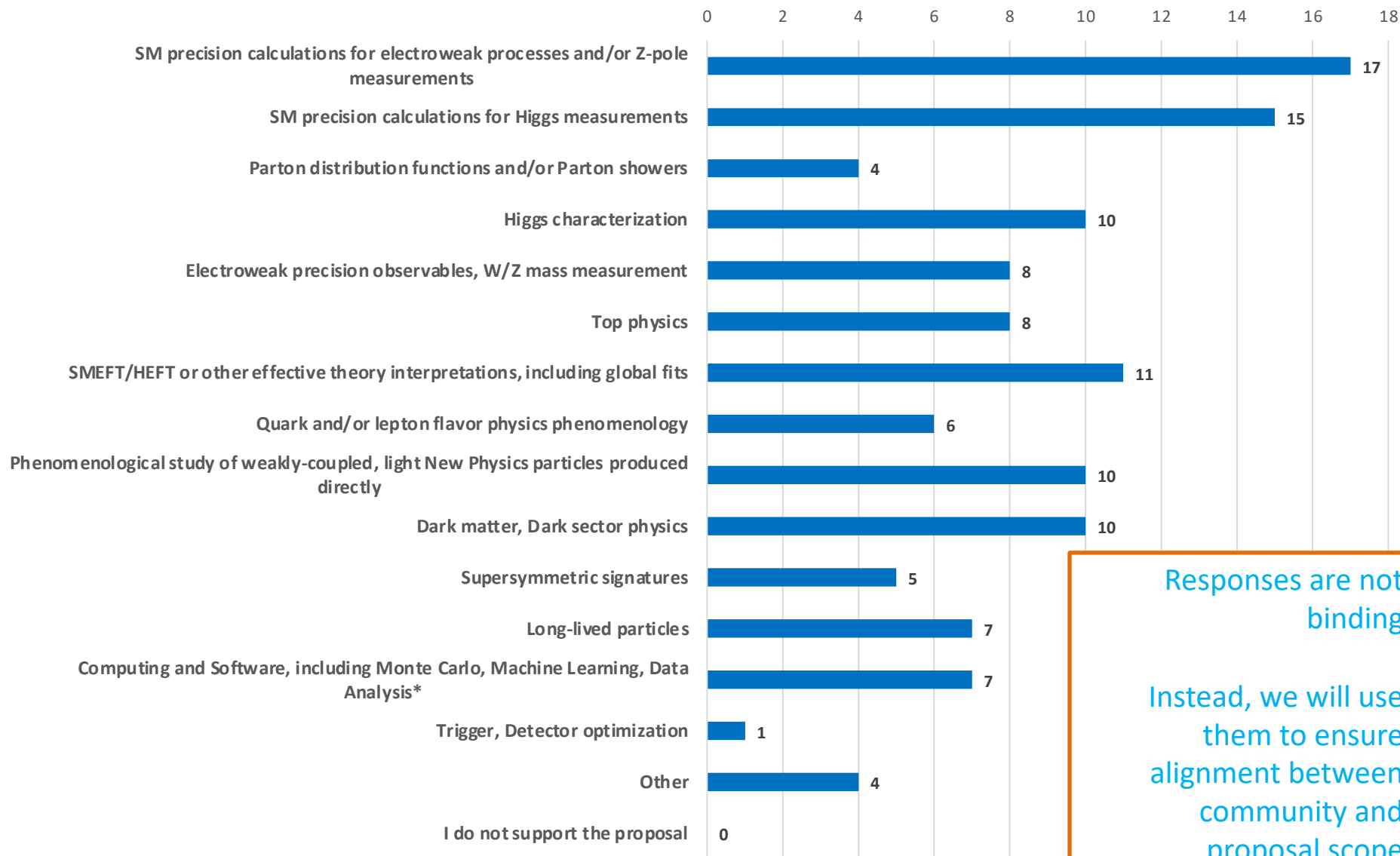
15:30

Felix Yu – SPP Roundtable Goals

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Envisioned Priority Programme Contributions

31(+2) responses



Responses are not binding

Instead, we will use them to ensure alignment between community and proposal scope

PROPOSAL TEMPLATE

<https://www.dfg.de/resource/blob/168236/53-11-en-elan.rtf>

Proposal to Establish a Priority Programme

(Do not exceed a maximum of 25 pages in total.)

[Title of Priority Programme]

[Programme committee]

[Coordinator]

[Title first name last name, research institution, city, academic status, research area]

[Other members]

(up to four)

[Title first name last name, research institution, city, academic status, research area]

1 Summary

(plain-language description of research area, max. 3000 characters)

[Text]

2 State of the art of research and preliminary work

[Text]

3 Subject-related list of publications

(Works cited in the proposal, both by the applicant(s) and by third parties. Please include DOI/URL if available. A maximum of 20 of the programme committee members' own works cited may be highlighted; font at least Arial 9 pt.)

[Text]

4 Merits of the proposal taking into account the objectives of the programme

4.1 Originality of research questions in terms of topic and/or methodology

[Text]

4.2 Delimitation of scope taking into account the duration of a Priority Programme

(six years)

[Text]

4.3 Coherence of planned research activities

[Text]

4.4 Strategies for collaborating / networking across disciplines and locations

[Text]

4.5 Promotion of researchers in early career phases

[Text]

4.6 Promotion of equity and diversity

(Outline how you plan to address gender equality for researchers, diversity in research and the compatibility of research and family (including care) throughout the Priority Programme. What measures are planned under the Priority Programme?)

[Text]

4.7 Handling of research data

[Text]

4.8 Networking of planned research activities within the international research system

[Text]

5. Differentiation from other on-going programmes on related topic, e.g. Collaborative Research Centres, Research Units, programmes by other funding organisations

[Text]

6. Qualification of coordinator to manage a research network

[Text]

7. List of potential applicants

(by research area)

[Title first name last name, research institution, city]

8. Justification of requested funding amount for the first funding period of three years

[Text]

9. Researchers with whom the programme committee members have collaborated scientifically within the past three years

(This information will help avoid potential conflicts of interest.)

[Text]

PROPOSAL EVALUATION

<https://www.dfg.de/resource/blob/167442/10-212-en.pdf>

II Structure of the Review

1. How would you assess the **quality of the project**, especially with regard to originality and the anticipated contribution to knowledge? To what extent can the topic to be addressed be expected to have a formative effect on the relevant field of science or the humanities?
2. Are the plans for organising the interdisciplinary and multi-location collaboration/networking convincing?
3. Are the research objectives coherent and clearly achievable over the course of the planned timeframe (six years)? How do you rate the explanations on the handling of research data?
4. Is the coordinator qualified to manage a major interdisciplinary and multi-location research group?
5. To what extent do measures designed to support researchers in early career phases exceed the usual standards?
6. How do you rate the measures to be taken to promote gender equality for researchers, diversity in research and the compatibility of research and family?
7. How would you assess the planned integration of the envisaged research activities into the international research system?
8. Are the envisaged activities sufficiently and convincingly distinct from other current DFG programmes with a direct thematic connection (e.g. Collaborative Research Centres, Research Units) or programmes offered by other funding organisations (including those outside Germany)?
9. To facilitate the structuring of the discussion in the selection panel, please provide an initial appraisal using the categories below:
 - Category A: The Priority Programme can be recommended for establishment without reservation.
 - Category B: The Priority Programme is largely convincing but requires discussion.
 - Category C: The Priority Programme is not convincing and therefore its establishment should not be recommended.