

Proposal for Grant Giovani CSN5 – Year 2026

Acronym: DeSAP
Full title: Detecting Super-Asymmetric Particles
Applicant: Amy Farrah Fowler
Participating units: INFN Section of . . .
Department of Physics, University of . . .
Department of Physics, University of . . .

The proposal must be submitted in English.

For the preparation of the proposal, the use of Times, Arial or similar fonts with a size of at least 11 pt is recommended.

Figures, tables and their captions are not included in the length limits indicated below.

Summary

Maximum length: 2000 characters, including spaces.

Include a brief description of: research context, motivations, proposal objectives, methodology, main expected result.

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1 State of the Art

Maximum length: 4000 characters, including spaces.

Critical review of the existing literature and of any other experiments (particularly if funded by CSN5 or INFN) on the same topic.

2 Objectives and Expected Results

Maximum length: 2000 characters, including spaces.

Describe the research objectives and the expected results.

3 Methodology

Maximum length: 10000 characters, including spaces.

Describe the methodology to be adopted in the research, highlighting its originality and innovative aspects. Justify the feasibility and sustainability of the project, referring to the available and requested human and instrumental resources.

4 Organization

Maximum length: 4000 characters, including spaces.

Indicate in tabular form the research units, the people belonging to each unit and their respective participation percentages.

Indicate the Scientific Coordinator of the project, who will be appointed by the Director of the structure in agreement with the Committee and who will act as guarantor to the Committee for the proper progress of the project throughout its duration.

Name	Unit	FTE
A. Farrah Fowler	INFN, Section of . . .	0.9
M. Bianchi	Department of Physics University of . . .	0.5
H. Verdi		
B. Rossi	Department of Physics University of . . .	0.4
Total		2.1

Include:

- a brief description of the planned activities and any division into work packages.
- the timeline of the project.
- milestones for the entire project.
- deliverables and expected results.

The number and temporal distribution of milestones and deliverables must allow reviewers to verify the progress of the project.

5 Synergies with External Projects

Maximum length: 3000 characters, including spaces.

State any involvement of:

- other INFN Scientific Committees

- external institutions and national and international research laboratories
- industries, public or private entities

in the research activity or in its direct or indirect co-funding.

6 Impact and Spin-offs

Maximum length: 3000 characters, including spaces.

Describe the impact of the research on the INFN community and on the scientific community in general.

Mention technology-transfer spin-offs, if potentially present.

7 Costs

Financial request in tabular form. The request must be detailed and reported for each year of project activity.

- Travel expenses broken down by item: experimental activity, meetings, conferences if for oral presentations (indicating the conference).
- Equipment: the financial request must be supported by a quotation.
- For items exceeding 2 k€, the financial request must be supported by a detailed quotation.

If the financial requests are provided in another document, a summary table could be included here to facilitate the commission's assessment of congruity.

8 Risk Assessment

For the main resources needed to complete the research (e.g. purchase of an item, availability of instrumentation or infrastructure), indicate in tabular form possible adverse events (e.g. delay in purchase, malfunction of an instrument) and their consequences and mitigations.

9 Bibliography