



Proposal outcomes and funding ideas

NA62 Italia

Napoli, 17 April 2019

Matthew Moulson

INFN Frascati

Summary



We didn't get the PRIN grant

We didn't get the MAECI grant either

There is a new suggestion for NA62x4 on the KLEVER timescale

What do we do next?

KLEVER-Cal: Development of innovative high-performance calorimeters and photon veto detectors for a future experiment to measure ultra-rare K_L decays at the CERN SPS (KLEVER)

Work packages

Develop specifications and test prototypes for:

- Shashlyk with spy tiles (MEC and UV)
- Large-angle vetoes
- SAC: Si/W with crystal tungsten absorber
- Common readout platform with analog front end and digitizer

Participating institutes:

- Frascati (INFN); Ferrara, Naples, Pisa, Turin (University)

Overall score: 90/100

- Short listed for funding (rank 42), but not ultimately funded (top 15)

Preselection (credentials of principal investigator): 16/25

- Bibliometric indicators, quality of publications: B (good)
- Funding history, prizes and honors: C (fair)
- Inclusion of at least one local coordinator < 40 years old: +3 points

Evaluation summary report (project quality): 74/75

- Importance and originality: **20/20** (excellent)
- Methodology, focus, and internal coherence: **10/10** (excellent)
- Advancement of knowledge; relevance to Horizon 2020: **10/10** (excellent)
- Ability of team to complete the project: **8/8** (excellent)
- Project organization; credibility of estimated time/resources: **7/8** (very good)
- Potential for training young researchers: **4/4** (excellent)

Notable comments:

- Measurement exceedingly difficult but extremely interesting
 - Development of calorimeter prototypes a good intermediate goal
 - Triggerless data acquisition has synergies with LHC upgrades
- Timeline well structured, with fallback possibilities
 - e.g. tests at Frascati BTF if CERN test beam unavailable
- Project money not just personnel but also detector development
- Coordinators would be excellent supervisors for young post-docs

MAECI grant: a reminder



MAECI (Ministro degli Affari Esteri) – Progetti di Grande Rilevanza (PGR)
Cooperazione Scientifica e Tecnologica – Italia-Statì Uniti

Development of innovative detectors to enhance the background rejection capability of the KLEVER rare kaon decay experiment

Work packages

Develop specifications and test prototypes for:

- Charged-particle veto (CPV)
- Pre-shower detector (PSD), possibly using existing MPGDs

Develop methods for efficiency measurements with tagged-photon beams at the Frascati Beam-Test Facility

Participating institutes:

- Frascati, Naples (Italy); George Mason (USA)

Financing: €79k (per year, renewable for up to 3 years)

- €31k MAECI, €31k INFN, €17k GMU

MAECI grant: (lack of) evaluation

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19 February 2019 at 12:51

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R: Valutazione progetto PGR Italia-Stati Uniti 2018

To: Matthew Moulson

Gentile dottore,

le griglie di selezione vengono stabilite dalla Commissione Mista Bilaterale (CM) che non riceve graduatorie, ma esiti di consultazioni che riassumono i vari criteri di selezione. Non esistono quindi valutazioni puntuali e/o graduatorie, ma la valutazione finale risente di scelte prese dalla CM che variano di bando in bando, sulla base del budget a disposizione, per esempio, o dalla tematica/che che si vogliono favorire in questa o quella particolare occasione.

Non esistono, quindi, valutazione/graduatorie puntuali ma, ripetiamo, la selezione dei progetti è frutto di un negoziato con la controparte che rispecchia numerosi fattori.

HELP DESK
DGSP Ufficio IX

In Italy:

- Request internal funding from INFN (CSN1)
 - As part of NA62 or as an independent project?
- Resubmit project next time, with updates and a higher-profile PI
 - When will the next PRIN call be?

European Research Commission:

- All programs are one project, one institution, one investigator
- Advanced Grant, deadline 29 Aug 2019
- No calls for Starting/Consolidator grants until Horizon Europe (2021?)
- Marie Curie Individual Fellowship applications for interested individuals!

Other funding possibilities?