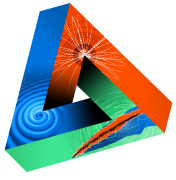


# Expressions-of-Interest

**Nuclear Physics at the LHC: a unique doorway to investigate the hyperon-puzzle in neutron stars and to enable the search for dark matter in cosmic rays**

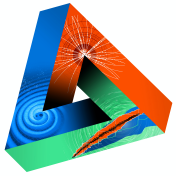
*Jorgen D'Hondt, Marek Lewitowicz, Teresa Montaruli*

*JENAS EoI Nuclear@LHC topical meeting, Oct 2<sup>nd</sup>, 2020, remote*



## The path for APPEC, ECFA and NuPECC to help, chronologically

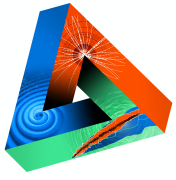
1. For the collection of Eol topics we have a **joint APPEC-ECFA-NuPECC task force**, and with all task force members together, we aim to obtain coverage for all Eol topics (list at <https://indico.cern.ch/event/949204/>)
2. The chairs of APPEC, ECFA and NuPECC will organize a **kick-off gathering** with the Eol proponents and the identified APPEC, ECFA and NuPECC task force members
3. The proponents will be asked to create (if not yet done) a **dedicated website for their project**, indicating the JENAS logo and the link to APPEC, ECFA and NuPECC
4. The Eols coordinators and the task force members connected to a topic will be invited to organise **follow-up topical meetings** with the objectives to come to a concrete plan
5. Report to our committees/consortia the **concrete plan** for consideration and endorsement
6. A dedicated APPEC-ECFA-NuPECC **Joint Activities website** is created indicating past and future JENAS events and the weblinks to the Eol websites (<http://www.nupecc.org/jenaa>)
7. Agree on a **communication line** between APPEC, ECFA and NuPECC for each of the Eol topics, e.g. initially through the members of the task forces



## Expressions-of-Interest (EoI) from JENAS

In general, these topics have been noted in the updated Strategy for particle physics. What can APPEC, ECFA and NuPECC offer to strengthen the synergies for an EoI topic:

- Supporting the **organization** of (tele-)gatherings across communities on the EoI topic (workshops, town meetings, platforms for continuous discussions, ...)
- Make **announcements** related to the EoI topic through our channels across the three disciplines
- Help with the **dissemination** of the activities and potential reports of the EoI topic (reports at APPEC, ECFA and/or NuPECC meetings, articles in our newsletters, ...)
- Link the project specific **website** on the APPEC, ECFA and/or NuPECC websites
- Help with **community wide calls** to seek collaborators, with calls for venues for specific events and with funding applications for the EoI topic
- Raise the **awareness** of the EoI topic in our scientific communities and to policy-making bodies
- Organize **dedicated sessions at the JENAS events** on the EoI topic



## Specific Task Force members for the Nuclear@LHC project

### **APPEC**

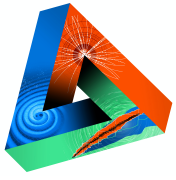
Fiorenza Donato (theory on cosmic rays) – [donato@to.infn.it](mailto:donato@to.infn.it)

Xin Wu – [Xin.Wu@cern.ch](mailto:Xin.Wu@cern.ch)

### **NuPECC**

Gyorgy Wolf (RMKI.KFKI, Budapest) - [wolf@rmki.kfki.hu](mailto:wolf@rmki.kfki.hu)

Navin, Alahari (GANIL, Caen) - [navin@ganil.fr](mailto:navin@ganil.fr)

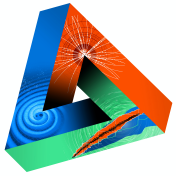


## Limited financial support

The General Assembly of APPEC and NuPECC confirmed their availability to provide limited financial support for activities related to JENAS EoIs.

ECFA operates without an explicit budget, but on a case-by-case basis in-kind support could be explored at ECFA-related institutions.

On the minds could be: topical kick-off meetings, topical workshops, mobility in support towards sustaining the EoI vision, professional dissemination web sites, organisational aspects towards EU proposals,...



# JENAS: synergies astroparticle, nuclear and particle physics

**Thank you for your sharing the synergy spirit and your efforts!**

