

# *Genie User Forum*

## Introduction



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On behalf of the GENIE collaboration

# Welcome

- **Thank you all** for the time you are dedicating
  - The appreciation for this initiative was quite surprising
- Goals
  - Enhance direct contact with the users and between the users
    - Update users about the development statuses
    - Feedbacks and suggestions from the user community
  - Plan together toward GENIE v4
- Other ways to communicate with us
  - Mailing lists
    - Users
    - Core
  - GitHub features

# Structure of the Forum

- **Monthly meetings** - 3<sup>rd</sup> Wednesday of the month
  - About one hour in total
- Time to be decided – the current one is clearly not optimal for anyone
  - Please fill (and share) the doodle <https://doodle.com/poll/tn5nu4nn3y38m39k>
  - Possible solutions: fixed time or rotating time
- Typical agenda
  - GENIE update – from GENIE core developers
  - Incubator projects update – either GENIE or principal developer
  - Experiment Round table – Experiment liaisons
  - Requested User talk – To be asked in advance to [forum.moderator@genie-mc.org](mailto:forum.moderator@genie-mc.org)
  - Discussion – typically at least 10'



# Experiment Round Table

- Major neutrino experimental collaborations taking data or soon to be
- Neutrino beams and neutrino telescopes
  - Different usages but probably a common discussion can be useful for both cases
- The list of experiments is certainly not set in the stone
  - The list will change according to the activity of the collaborations
- Other collaborations won't have a regular time slot in the round table
  - Yet they are encouraged to ask for specific talk whenever they think it's necessary
- The forum is open to everybody anyway
  - Experiments are important piece of the community but clearly not the only one
  - Users from collaborations which are at the round table are invited to follow anyway and engage in the discussion
    - especially if involved in cross section analyses

# Genie projects and User talks

- Reports about of **graduated** incubator projects
  - They should be given by the main developers, either GENIE developers or not
  - They should get the credit and the visibility for their effort
- **User talks** are for bug reports, sharing experience, inputs from theorists
  - They are not for the users to request projects, nor to discuss them with the users
    - Not enough time
    - Discussion far too technical to be shared with all the users
  - We welcome inputs from all possible usage of the GENIE suite: Reweight, non-neutrino modes
- New projects will be advertised as part of the GENIE report
  - The project definitions, scopes, milestones, etc will be **previously** defined with the main developers
    - dedicated ad hoc meetings
    - We are maintaining a large software, with many and simultaneous development lines: **a clear definition beforehand is a strong requirement**
  - Once the definition is clear it will be advertised
    - More developers can be added according to the needs of each specific project

# Today's program

- This is the first forum and of course it's special
- Our main talk is not on the update of the generators
  - The development model we have adopted in GENIE
    - It's quite articulated
    - It is a necessity for the complexity we have to deal with
- The Round table is somehow exceptional as well
  - We are interested in the typical usage of the generator from each collaboration
  - Quite possibly next round table will be more free in terms of topic. Typical interests:
    - Feedbacks about the experimental interfaces
      - flux and geometry drivers, apps, file formats, provided splines, etc
    - Physics performances of different configurations and tunes

# *Let's get started*

- Questions or comments before moving on?
- Don't forget to fill the doodle