

# ECFA review panel for detector R&D

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# Detector R&D

- High Energy physics relies heavily on detector R&D developments.
- Every significant improvement on detection techniques opens a new area for fundamental physics.
- The R&D effort for new detectors is an important part of all the experimental laboratories and university teams activities.
- Considerable amount of manpower and financial resources are committed to this field across Europe and all around the world.

# Evaluation today

- R&D programs related to approved and well established scientific projects and collaborations, e.g. LHC, are evaluated and followed up by well-known and existing committees, run naturally by the host laboratories.
- What about important large scale project in its preliminary and preparatory phase, not yet approved and not supported by a unique leading or host lab.
  - ILC R&D European effort evaluated today by the DESY PRC
- Having a truly European panel, reviewing and evaluating emerging 'orphans' R&D projects, is clearly desirable.

# ECFA Detector R&D Panel

## EDRDP

- Receive R&D proposals and make recommendations after evaluation.
- Evaluate and monitor the progress of R&D programs on request.
- Help to create a coherence of the global R&D effort by encouraging synergy between different activities and advising funding agencies.
- Overview the European effort for detector R&D

# EDRDP tasks

- The panel has a reviewing and advisory role and does not initiate or assume any coordination of the R&D programs.
- Is primarily concerned with large R&D projects involving many laboratories and requiring significant resources.
- The panel reports to ECFA and the ECFA chairman informs of the R&D activities the European session of the CERN council.
- It primarily examines R&Ds related to accelerator experiments.. However it may expand its field of expertise to R&Ds on non accelerator particle physics detectors, if requested.
- After the presentation to ECFA, panel's reports become available to the public including funding agencies.
- It is proposed to form a single panel composed by world detector experts. The chairman as well as its members are to be nominated by RECFA. The panel should be hosted and operated by a European laboratory.

# Conclusion

- Establishing an ECFA panel reviewing emerging detector R&D projects will give them the opportunity to get a valuable recognition.
- It will help to structure and coordinate R&D effort across Europe