

## Some point to consider for next meeting

### WEB:

- Initiate the formation of a strategy for future linear collider activities.
- Discuss how to present the case for linear colliders at the Open Symposium in Granada.
- Address the future organisation of the international linear collider activities beyond LCC.

### In short:

- G1: Strategy for LCs (what is our goal the LC(s) – as global strategy)
- G2: ESPP (how do we get there short term)
- G3: LCC++ (how do we do it longer term)

### Start Mon 11

**Session Mon 11-13:** Welcome, Introduction, Main goals, the ESPP in short, one or two talks about why we believe LCs are the right way forward, describe rest of meeting (keep relatively short)

**Session Mon 13:30-18:30:** Review project inputs to Strategy Process, project “political” status (ILC or CLIC, and/or via region reports) and desired outcome of decision processes (what would we like to see as LC future - alternatives)

Discussion during evening/overnight

**Session Tue 830-930** Continuation of session Monday afternoon

**Session Tue 10-12:30** EPSS in more detail, WGs, talks, etc – main messages and how to pass them

**Session Tue 1330-1530** Conclusions, open issues, next steps

**Tues 1530:** Leave in good mood or frustrated

- Strategy Secretariat:
  - Halina Abramowicz (Chair)
  - Keith Ellis (SPC Chair)
  - Jorgen d'Hondt (ECFA Chair)
  - Lenny Rivkin (European Laboratories Directors' Meeting Chair)
- Physics Preparatory Group: 4 recommended by SPC, 4 by ECFA, 1 by CERN, 2 from Asia, 2 Americas

**Halina Abramowicz** - Tel Aviv University, Israel (chair); high energy experiments  
**Shoji Asai** - Tokyo University, Japan; experimental non-accelerator particle physics and high-energy colliders  
**Stan Bentvelsen** - Nikhef, Netherlands; experimental particle and astroparticle physics  
**Caterina Biscari** - ALBA, Spain; accelerator science  
**Marcela Carena** - University of Chicago and Fermilab, US; dark matter and BSM theory  
**Jorgen D'Hondt** - University of Brussels (VUB), Belgium; high energy collider experiments  
**Keith Ellis** - University of Durham, UK - QCD theory and colliders phenomenology  
**Belen Gavela** - University of Madrid (UOM), Spain; beyond-the-Standard Model theory  
**Gian Giudice**: CERN; theory (everything)  
**Beate Heinemann** - DESY and Freiburg University, Germany; high-energy collider experiments  
**Xinchou Lou** - Institute of High Energy Physics, China; heavy flavour physics and detectors  
**Krzysztof Redlich** - Wroclaw University, Poland; QCD (strong interaction) theory  
**Lenny Rivkin** - EPFL/PSI, Switzerland; accelerator science  
**Paris Sphicas** - University of Athens, Greece, and CERN; high-energy collider experiments  
**Brigitte Vachon** - McGill University, Canada; detector physics  
**Marco Zito** - Saclay, France; experimental neutrino physics  
**Antonio Zoccoli** - INFN Bologna, Italy; experimental heavy flavour physics

Among 17 members - 15 countries and CERN, 4(T) and 13(E), 6(F) and 11(M)

- European Strategy Group: all the above + member state representatives, lab representatives, invited others => 65 people

# Proposed Input Themes and PPG/ESG assignments

- \* • Large experiments and projects - PPG
- National road maps - ESG
- Accelerator Science and Technology - Caterina Biscari and Lenny Rivkin
- Beyond the Standard Model at colliders (present and future) - Gian Giudice (th) and Paris Sphicas (exp)
- Dark matter and dark sector (accelerator and non-accelerator dark matter, dark photons, hidden sector, axions) - Marcela Carena (th) and Shoji Asai (exp)
- Instrumentation and computing - Xinchou Lou (exp) and Brigitte Vachon (exp)
- Electroweak physics (physics of the W, Z, H bosons, of the top quark, and QED) - Keith Ellis (th) and Beate Heinemann (exp)
- Flavour Physics and CP violation (quarks, charged leptons and rare processes) - Belen Gavela (th) and Antonio Zoccoli (exp)
- Neutrino physics (accelerator and non-accelerator) - Stan Bentvelsen (astro-exp) and Marco Zito (exp)
- Strong interactions (perturbative and non-perturbative QCD, DIS, heavy ions) - Krzysztof Redlich (th) and Jorgen D'Hondt (exp)
- Other (communication, outreach, strategy process, technology transfer, individual contributions,...) - ESG

There are 8 physics themes and 3 general ones. The large experiments/projects will be split among the physics themes.

## Proposed format

Monday	Tuesday	Wednesday	Thursday
<b>Morning</b> <b>Plenary session</b> "Where do we stand" (still to be discussed)	<b>Morning</b> <b>Parallel sessions</b> B5 - BSM at colliders B6 - Strong interactions B7 - Detectors and computing B8 - Dark matter and dark sector	<b>Morning</b> <b>Parallel sessions</b> (possible merging) B5 - BSM at colliders B6 - Strong interactions B7 - Detectors and computing B8 - Dark matter and dark sector	<b>Plenary session</b> Summary Reports (8) Close-out
<b>Afternoon</b> <b>Parallel sessions</b> B1 - Electroweak physics B2 - Flavour physics and CP violation B3 - Neutrinos B4 - Accelerator science and technology	<b>Afternoon</b> <b>Parallel sessions</b> (possible merging) B1 - Electroweak physics B2 - Flavour physics and CP violation B3 - Neutrinos B4 - Accelerator science and technology	<b>Afternoon</b> <b>Plenary session</b> "Future facilities"	<b>ESG meeting</b>

[Web page for the Open Symposium in Granada](#)  
Please register

<https://cafpe.ugr.es/epps2019/>

→ we should be planning to be there

Then at the EPS-HEP conference in Gent (Belgium, <http://eps-hep2019.eu>), a joint ECFA-EPS open session will be held on 13 July 2019 "to further the discussions"