

# News

**Juliette Alimena** (DESY), Rebeca Gonzalez Suarez  
(Uppsala), Giacomo Polesello (Pavia INFN)  
FCC BSM Meeting  
September 26, 2024

# Feasibility Study

## Final Feasibility Study Report

- First draft to be ready by the end of the year (for the SPC)
- Draft v0 for internal PED review by 30th of September! (P/E/M, R/G/J write this)
- **FCC note drafts on CDS by September 25 (you write this)**
  - A little late is ok for R/G/J, but notice we need your input before we can finish our part by Sept 30!

The Final Report will be an official document, public and submitted to the Strategy

Aligned with ECFA deadlines for moving towards the update of the **European Strategy report:**

- Deadline for new results is 3rd ECFA Higgs factories workshop in Paris, Oct 9-11  
<https://indico.in2p3.fr/event/32629/overview>

For your work to be included in the ECFA report too, independently of it being presented in Paris, you can submit a **2-page summary (deadline Oct 20)** here:

<https://indico.cern.ch/event/1455398/>

- Repo for **FCC** ECFA 2-page notes here, for bookkeeping:  
<https://repository.cern/uploads/new?community=fcc-ecfa>

# Today

**3-slide reports** from everyone we haven't heard from lately

**Please stay in time** - we have a packed agenda!

<b>13:30</b>	→ 13:35	<b>News</b>	<b>Speakers:</b> Giacomo Poleseello (INFN, Sezione di Pavia (IT)), Juliette Alimena (DESY), Rebeca Gonzalez Suarez (Uppsala University (SE))
<b>13:40</b>	→ 13:45	<b>HNL analysis with CLD fullsim and Phenomenology studies for a search for axions</b>	<b>Speaker:</b> Jeremy Andrea (Centre National de la Recherche Scientifique (FR))
<b>13:50</b>	→ 13:55	<b>Electroweak Portal Dark Showers</b>	<b>Speaker:</b> Xuhui Jiang (Institute of High Energy Physics)
<b>14:10</b>	→ 14:15	<b>Extra Higgs bosons within the inert 2HDM</b>	<b>Speakers:</b> Anne-Marie Magnan (Imperial College (GB)), Dr Anne-Marie Magnan (Imperial College (GB))
<b>14:20</b>	→ 14:25	<b>Exotic Higgs decay to two pseudoscalars ¶</b>	<b>Speaker:</b> Abdollah Mohammadi (University of Wisconsin Madison (US))
<b>14:35</b>	→ 14:40	<b>Leptophilic Z' bosons</b>	<b>Speakers:</b> Baibhab Pattnaik, Baibhab Pattnaik (IFIC (University of Valencia, CSIC))
<b>14:45</b>	→ 14:50	<b>Hidden sectors with two-particle angular correlations</b>	<b>Speaker:</b> Dr Vasiliki Mitsou (IFIC - CSIC and Univ. of Valencia (ES))
<b>15:00</b>	→ 15:05	<b>HNLs (mujj)</b>	<b>Speaker:</b> Nicolo Valle (INFN Sezione di Pavia (IT))
<b>15:15</b>	→ 15:20	<b>HNLs (enu jj)</b>	<b>Speaker:</b> Pantelis Kontaxakis (Universite de Geneve (CH))