

# • For PED, the goal of the FCC Week gathering is fourfold

- Create a critical mass of US particle physicists to support and work for the FCC
- Discuss the plans and structure of an FCC effort in the US
  - For PED, the FCC week will be a follow-up of the MIT US/FCC workshop in March 2024
- Report about the implementation of the SAC/CRP/SPC/FC recommendations
- Gather and brainstorm in view of the final Feasibility Report other deliverables

## • A programme with strong US participation is desirable

- This is reflected in the SPC (US) PED membership
  - And in the choice for its chair: Srini Rajagopalan

### **PED Scientific Programme Committee (PED SPC)**

### Chair: Srini Rajagopalan

Plenary speakers organization: Greg Bernardi, Sarah Eno, Srini Rajagopalan

Poster organisation: David d'Enterria, Markus Klute

Physics case, Theoretical calculations Robert Szafron, Christoph Paus Matthew McCullough, Andrei Gristan

Detector requirements from physics Mike Hance, Anadi Canepa Patrizia Azzi, Junjie Zhu (Godfathers: Christophe Grojean, Patrick Janot)

Detector Concepts: Felix Sefkow, Mogens Dam Sergei Chekanov, Carl Haber Marc-André Pleier, Zeynep Demiragli

Software and Computing Brieuc François, David Lange

EPOL Eric Torrence Jacqueline Keintzel, Guy Wilkinson

MDI Nicola Bacchetta Manuela Boscolo, Fabrizio Palla

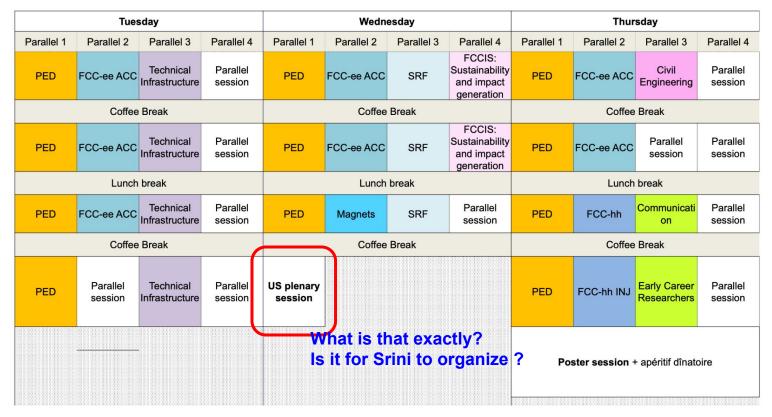
Reserve: Michael Peskin (SLAC), Josh Ruderman (NYU), Liantao Wang (Chicago), Stefan Höche (FNAL)

Declined: Ayres Freitas (Pittsburg), Heather Gray (LBNL)

#### Pink = US membership



• Current skeleton: 11 PED sessions, often in parallel with FCC-ee ACC sessions





- EPOL and MDI are joint ACC/PED FCC-ee projects
  - These sessions cannot happen in parallel with FCC-ee ACC sessions
    - Or with PED sessions if they are foreseen in FCC-ee ACC
  - EPOL and MDI sessions cannot be in parallel either
    - Unlike what happened in London, where Alain had a talk to give at the same time in an MDI session and an EPOL session. We are interested in following all these sessions !
- We (PED) need 12 sessions altogether counting all EPOL and MDI sessions
  - First basic schedule (this may/will change!) includes:
    - Two physics case / th. calculations sessions
    - Two detector requirements sessions
    - Three detector concepts sessions
    - One software and computing session
    - Two EPOL (PED + ACC) sessions
    - Two MDI (PED + ACC) sessions
- We need to clarify who organises the US plenary session (and its goals)



- The PED programme will be influenced by the SPC/SAC recommendations
  - Precision measurements at the Z and related discovery potential
  - Importance of the t-tbar energy stage for physics
  - Energy stage sequence, and possible other energy stages
  - Additional science (invite PBC speakers?)
  - Justifications for 4IP at FCC-ee
  - Diversified programme at FCC-hh with the two "small" caverns (FCCb, FCC-ALICE, ...)
  - Participation in ECFA DRD programmes (invite DRD speakers?)
  - Environmental-friendly gases for detectors
  - Plans for theoretical work
    - Several of the above topics can be presented in the plenary session on Monday
- Corollary: what is the plan for Monday and Friday?
  - How much time for PED? How many PED posters?
  - Is there a need for a keynote presentation?
  - Summary of the Annecy Physics workshop? Of the 2nd US/FCC workshop @ MIT?
  - PED "summary" on Friday : US plans?
- First meeting of the programme committee is scheduled on Tuesday 27 February at 5pm
  - And then every two weeks until we have a programme (with some posters)