News

- **FCC week in Berlin, CDR, what next.**

Workshops/Conferences (First half of 2017)

- **FCC physics workshop at CERN (16-20 January 2017)**
  - https://indico.cern.ch/event/550509/
    - A success: 200 participants.
    - Started to look systematically at complementarities/synergies between the FCCs
      - ➨ See Alain Blondel's slides at the end of the workshop
- **FCC-ee MDI workshop (16-27 January 2017)**
  - https://indico.cern.ch/event/596695/
    - A success: several issues tackled and understood
      - ➨ See summary from Manuela Boscolo today
- **FCC week 2017 in Berlin (29 May-2 June 2017)**
  - https://indico.cern.ch/event/556692/
    - Early fees deadline postponed until 5 February 2017.
    - 241 participants so far: Register !
    - Preliminary timetable here
- **EPS-HEP2017 in Venice (5-12 July 2017): http://eps-hep2017.eu/**
  - Abstract submission open, deadline 15 April: FCC-ee must be represented well.

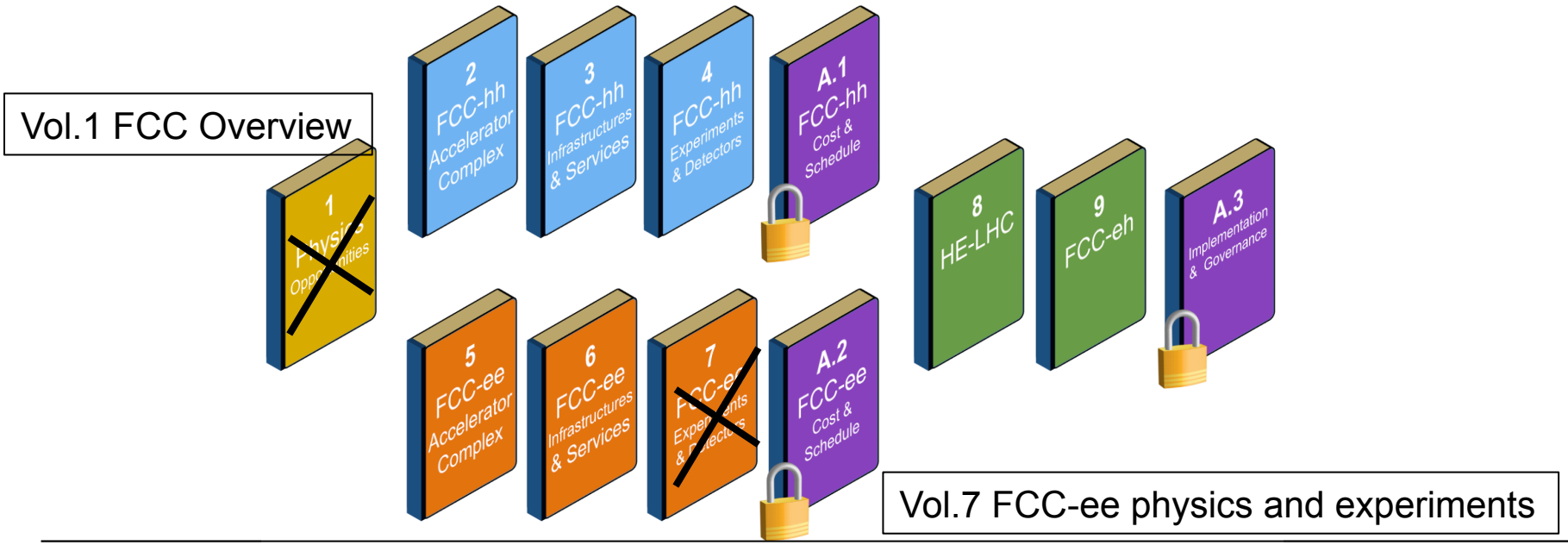
The FCC week 2017 in Berlin

- **The FCC week will give the opportunity to the FCC AB (*) to review us**
  - AB = Advisory Board, chair: Günther Dissertori
    - Members (Physics and Experiments)
      - ➨ Andrew Parker, Marcella Diemoz, Chris Quigg, Gregor Herten, Andrei Golutvin
  - Slight change in format and scope since the FCC week in Rome
    - Substantial fraction of the time devoted to review talks for the Advisory Board

- **We have three "Experiments and Detector" sessions on Tuesday**
  - 8:30am → 10:00am
  - 10:30am → 12:00pm
  - 1:30pm → 3:00pm
    - Will use all three them for "AB reviews"
      - ➨ Proposed agenda in the next slides
  - We have also one morning of "Physics" reviews on Wednesday
    - Emphasize the complementarity / synergies of the FCC physics programme
      - ➨ Agenda to be proposed by Michelangelo, Christophe, and Matthew

Plenary talks on Monday

- **Keynote talk (9am, 50')**
  - Will be an overview of the physics programme of the FCC
    - On the basis of the FCC physics workshop summary (synergy/complementarity)
      - ➨ Speaker being chosen among the workshop participants
- **Experiments & Detectors (4pm, 40')**
  - Should present the outline of our CDR volume (Vol. 7) to the FCC AB
    - As well as the physics content



CDR Vol. 7 : Physics and experiments

- **The European Strategy update will be approved in May 2020**
  - European strategy meeting at the end of 2019, CDR distributed Spring 2019
    - CDR ready for print at the end of 2018.

- **Proposed timeline**
  - Detailed outline of each chapter ready in Authorea by Spring 2017
  - First complete draft of each chapter ready by Spring 2018
  - Reviews in Summer and beginning of Fall 2018
  - Final version delivered at the end of 2018

- **Constraint on the length ?**
  - A priori no constraint
    - Will be as short as possible, but not shorter

- **Plan participation to Vol. 1 (FCC overview)**
  - Global fits, synergies, executive summary

CDR Outline

- **The outline and the FCC week reviews will follow our group structure**
  - Introduction (running plan, history, motivation, …)
  - Electroweak physics with Z's and W's
  - Higgs physics
  - Top quark physics
  - QCD and $\gamma\gamma$
  - Flavours
  - BSM (Physics behind precision, global fits, direct searches)
  - MDI
  - Polarization and beam energy measurement
  - Detector designs (with luminosity measurement)
  - Summary and outlook
    - Each of the "physics" sections should contain
      - The theory counterpart (e.g., the quest for precision calculations)
      - The requirements on detectors (geometry, acceptance, resolution, tolerances)
      - The requirements on accelerator (luminosity, polarization, E_{beam} knowledge)
    - The editors for each chapter are the corresponding 2 (3) group conveners
      - Participate ! We need your commitment until the end of 2018

CDR technicalities

- **Proposed timeline**
  - Detailed outline of each chapter ready in Authorea by Spring 2017
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- **We plan to work with Authorea (pending CERN's decision)**
  - CERN is now on the verge of taking a decision about collaborative editors
    - Dodoc, Overleaf, Authorea have been evaluated in 2016
  - Chapters were already created in Authorea back in 2012
    - Will be revived to work with the newest Authorea version
  - We foresee an Authorea hands-on tutorial in the coming months

Plan of work for 2017-2018

- **Being prepared in the coming weeks**
  - Aspects that need an intensified focus and dedication
    - Detector design
      - ➨ CLIC-like, FCC-ee tuned
    - Detector magnet
    - Machine-Detector interface (on the detector side)
    - Detector simulation
    - Simulated (fast/full) dedicated physics studies
    - Synergies with FCC-hh
    - Theoretical calculations
    - …

    - And of course the writing of CDR sections

  - Lots of opportunities for you to engage in the FCC-ee effort
    - Contact Alain, Christophe, Matthew, or myself