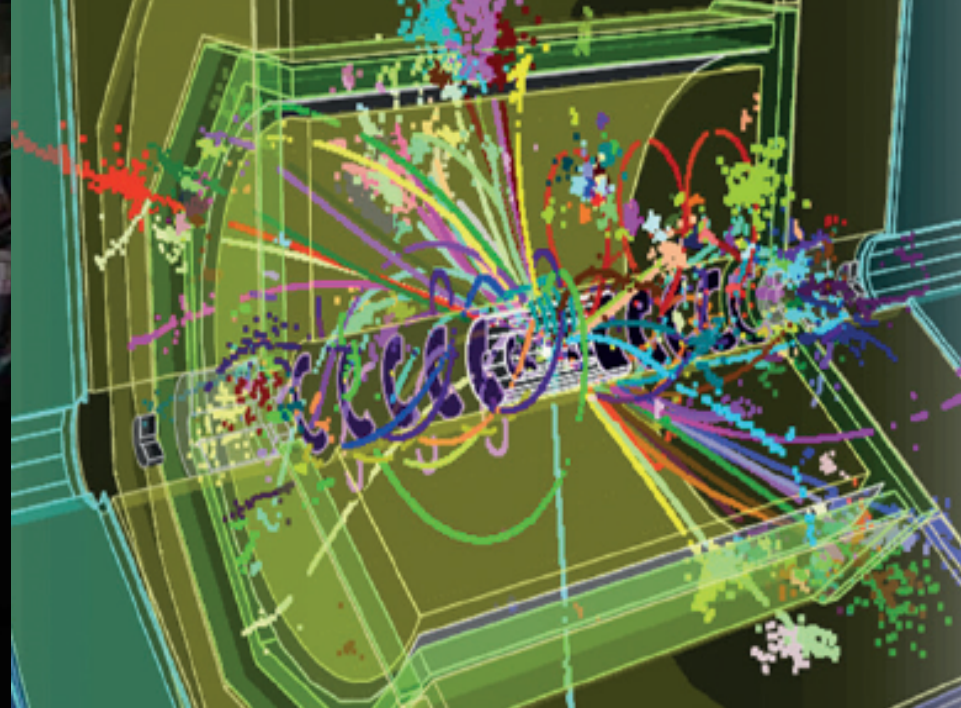
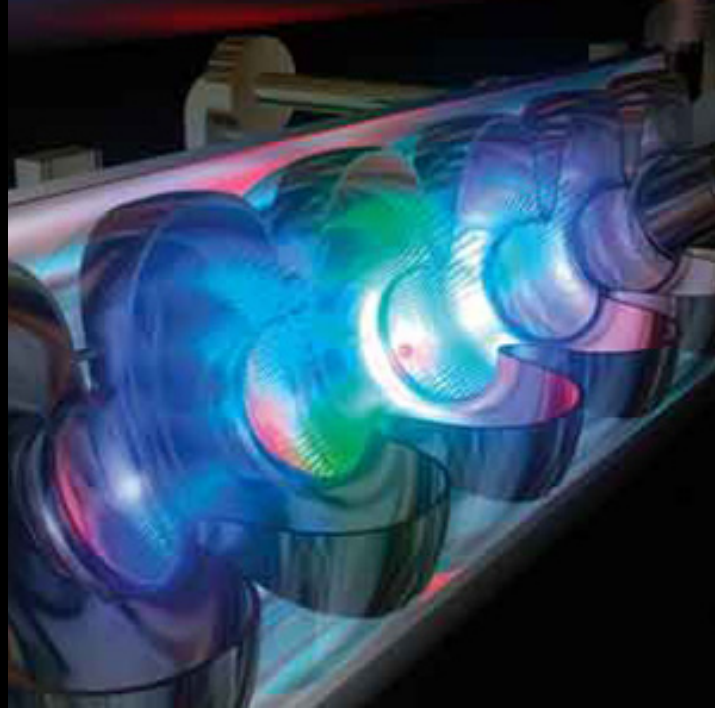
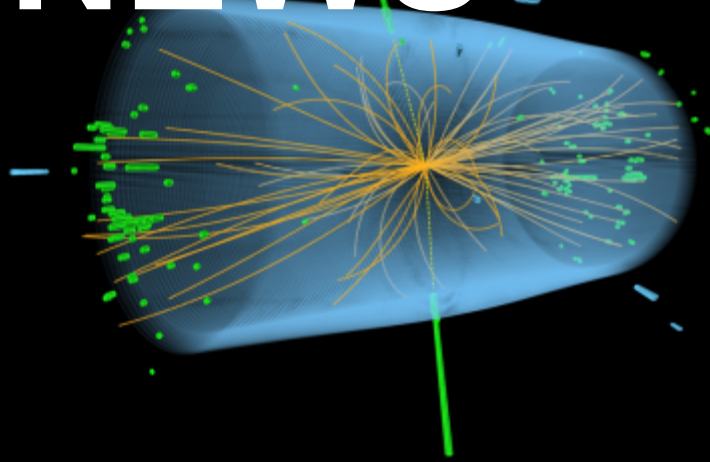


NEWS



Benno List, Christophe Grojean, Christian Schwanenberger, Jenny List
15th Future Colliders @ DESY meeting
28 October 2022

ECFA: Higgs Factory Study, Detector Roadmap, PECFA

Upcoming meetings & events

- **Resuming after ECFA WORKSHOP 2022 here in Hamburg**
 - collecting feed-back, how can we engage community (even) more?
 - **upcoming topical event:**
 - **Nov 2: WG1-PREC - “MiniWorkshop: Collision Energy Determination” -> <https://indico.cern.ch/event/1206598/>**
 - sharpen path towards Yellow Report
- **Roadmap Implementation:**
 - call to sign-up for mailing lists of the DRDs has been circulated, cf <https://indico.cern.ch/event/957057/page/27294-implementation-of-the-ecfa-detector-rd-roadmap>
- **Plenary ECFA Nov 17/18 at CERN:**
unfortunately again a full clash with KET meeting - will be not happen anymore from next year on

FutureColliders@FH

what happened since FH Scientists Retreat

- scientists retreat showed a clear need to discuss the topic in FH
- in the particularly difficult financial situation, it is even more important to use the few resources in the most efficient way — likely comprises some focusing
- Beate set up a core team: organisers of this meeting + Ties Behnke
- about to establish 5 teams to work on specific questions (next page)
 - each team will comprise one core-team member + 3-4 FH colleagues
 - invitations have been sent to all who expressed interest in the FC topic in Beate's poll in spring
 - membership will be announced soon
 - expect teams to meet ~1-2 in Nov/Dec — and come up with 1-2 slides for a
 - first report back at retreat follow-up Dec 14
 - aim to have some brief written conclusion early next year

FutureColliders@FH

five teams

- **PRESSING QUESTIONS (Christophe):** Within the coming five years, what are the most pressing questions that need to be answered in order to come to an international / European decision on the next collider project or at least a new European Strategy?
- **SYNERGIES (Christian):** Given DESY's / FH's broad capabilities and experience in theory, computing, detectors, physics analysis and implementation of large projects, how can those be combined to achieve unique, outstanding and visible results?
- **INFRASTRUCTURE (Benno):** How can DESY's science infrastructure (test beam, computing facilities, detector laboratories, software development capabilities) be leveraged to achieve unique, outstanding and visible results
- **RELATIONS (Ties):** How does a DESY / FH programme on future colliders relate to the overall DESY & Helmholtz strategy / mission? What will be the relationship of a DESY / FH programme on future colliders with the German, European and worldwide HEP community? How can the Higgs factory physics programme be explained to other branches of science ("discovery stories")
- **EARLY CAREER (Jenny):** What is required to make the future collider programme attractive for those who might actually see them take data, i.e. current early career researchers?

Other news & announcements

Upcoming meetings & events

- Oct 13/14: **Cool Copper Collider WS**
- Oct 17-28: **FCC-EIC Joint & MDI Workshop 2022**
- next **European ILC Community meeting**: Nov 9, 10:00
- next **IDT-WG3 Open Physics Meeting**: Nov 17 <https://agenda.linearcollider.org/event/9683/>
- Nov 21/22: **1st FCCee Beam Instrumentation Workshop**
- Nov 28 - 30: Key4HEP tutorial “around” the **15th Annual Meeting of the Helmholtz Alliance "Physics at the Terascale"**
=> please register NOW if you are interested in the tutorial!
- Dec 5-9: **FCCIS 2022 Workshop**
- Jan 23-27: **6th FCC Physics Workshop**
- **save the date: LCWS 2023 May 15-19 at SLAC**