

Organization of discussions on topic of "Instrumentation"

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"Big questions"



- Parallel sessions at Granada Open Symposium organized around eight discussion sessions, one of which is "Instrumentation and computing".
- "Big questions" have been identified for each discussion session.
- The big questions identified for the "Instrumentation and computing" session are the following:
 - 1. (a) What areas of instrumentation R&D should be supported, and how, in order to meet the needs of future experimental programs?
 - (b) How to preserve knowledge, technical expertise and train the future generation of experts in detector/instrumentation R&D?
 - 2. (a) How should HEP computing evolve in order to support future scientific programs and their specific needs?
 - (b) What R&D activities must be supported, and how, in order to enable this computing evolution?

Instrumentation session



- Tuesday, 14 May 2019, 9h00-13h30.
- Agenda:
 - Lessons learned from past instrumentation R&D (20+10 min) [Didier Claude Contardo, CNRS]
 - Technological challenges of future HEP experiments (30 + 10 min) [Lucie Linssen, CERN]
 - Detector R&D for future HEP experiments (30+10 min) [Felix Sefkow, DESY]
 - Technological synergies in instrumentation R&D with non-HEP experimental programs and industry (20+10 min) [Cinzia Da Via, Manchester]
 - Panel discussion on the topics of "Coordination of R&D activities" and "Development and preservation of technical expertise".
 - ▶ Panelists: Session speakers + Ariella Cattai (CERN, ICFA Instrumentation panel chair)

Computing session



- Wednesday, 15 May 2019, 9h00-13h30.
- Agenda:
 - Current HEP computing model (20+10 min) [lan Bird, CERN]
 - Lessons (to be) learned from the development of the current HEP computing model (20 + 10 min) [Roger Jones, Lancaster]
 - Future challenges of HEP computing (20+10 min) [Matthias Kasemann, DESY]
 - R&D: HEP computing infrastructure (20+10 min) [Maria Girone, CERN]
 - R&D: HEP computing software (20+10 min) [Graeme Stewart, CERN]
 - Panel discussion on the topic of "HEP computing evolution".
 - ▶ Panelists: Session speakers + Amber Boehlein (JLab) + Weidon Li (IHEP, China).