

# Questions for the Round-Table

- What has been accomplished so far in software training?
  - First an overview from the present parallel session
- Do we already meet our goals with existing efforts?
  - Probably not!
- What is missing in the picture?
  - Lots of bottom-up initiatives existing (that's good)
  - No coordination between them (not so good)
    - implies inefficiencies, overlapping schedules, overlooked training subjects, missing potential audiences,...
  - Traditional schools are costly
    - Can we improve the expected return per euro/dollar spent?
    - Are different approaches viable? More **local** ones?
    - What about self-training approaches (web-based)?
- What is the correct balance btw generic training (C++, Python,...) and a specialistic one (exp. Frameworks, analysis tools,...)?
- Who is best entitled to training?
  - Young researchers or more matured experts?
  - Correct balance btw innovation and experience?
- How can we encourage smart, very busy people (pursuing their own careers), to do training?
  - Additional career boost could be an important asset!
  - Is it a viable one? Are Funding Agencies or Labs sensitive enough to this problem to take proper action? (or even any action at all?)
- Is there a willingness by existing schools to collaborate (maybe **federate**...) to provide an effective training portfolio?
- What could be the best financing mechanism?
  - Should exp. pay for training? (negligible compared to HW)
  - Definitely a crucial and sensitive issue...
- Can we design a road-map on how to tackle all these issues in a coordinated way?
  - What milestones?
  - Timing?
  - Funding?
  - Manpower?
- Training as a service task, same level as trigger or detector, giving proper recognition. This would help with funding, as new institutions joining experiments (or even old ones) could be asked to pledge some resources to this effort.
  - But effective training based on enthusiasm and capacity, not pledge...
- What about creating an "official" HEP software curriculum that can be obtained by attending a certain combination of schools and/or workshops? If this is accepted, then being an instructor on one of these official training events would be a much better asset in terms of CV and recognition.