

1st ROOT “Train The Trainers” Event

ROOT

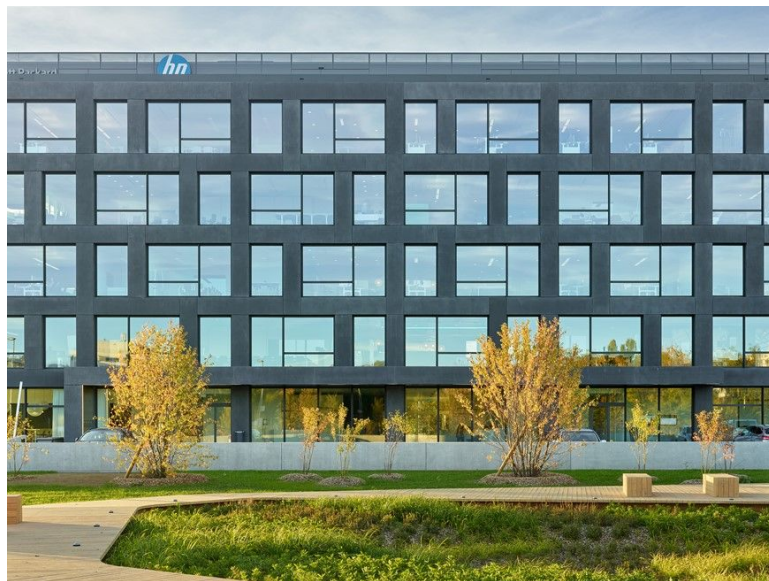
Data Analysis Framework

<https://root.cern>



Train the Trainers

- One-day event (June 14th) at HPE building (Meyrin)
- **Goal:** bring together ROOT trainers, share experiences and create a community!





- **13 external participants**
 - ATLAS, CMS, LHCb, Alice, NA62, TOTEM, SHIP
 - FNAL, Oxford, DESY, LAL, Florida IT, INFN, UCLouvain, USussex, UZH, CERN
- ... plus **8 ROOT team members**





- Full agenda: [link](#)
- Features with impact on training
- Relevant tools & techniques
- Overview of training material (ROOT & outside)
 - How to evolve it together?
- Table of content for ROOT training: beginner, advanced
- Mechanisms to help trainers, recognition



Concrete Outcome / Conclusions

- Preferred tools & techniques
 - SWAN and **notebooks** are a very popular option for teaching...
 - ...but perhaps not enough for analysis: ROOT **Docker** image can be helpful here
- Training material
 - **User's guide** with basic topics is necessary, but not too detailed
 - For details, there is the reference guide
 - Reorganisation of ROOT **tutorials**: basic categories, keywords



Concrete Outcome / Conclusions (2)

- **Table of contents** for trainings
 - Teams [1](#) and [2](#)
 - Converged on content for beginners and advanced topics
- Recognition
 - ROOT **ambassadors** (root-ambassadors@cern.ch)
 - ROOT trainer certificates
 - ROOT forum badges



Concrete Outcome / Conclusions (3)

- **Collaborative** docs / material
 - Format should allow collaboration (markdown)
 - Split in smaller topical presentations (mashable content)
 - Start with basic training in ROOT's github
- In summary, a **productive experience**
 - Lots of shared interest
 - Start of a new community!



- “Train the trainers” is intended to be a **yearly event**
- Location for next year: **Fermilab**
 - Co-located with ROOT Users Workshop
 - Tentatively in May 2020