

E-learning: lessons learnt



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E-learning summary
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*Goals for you

*Goals for us



Goals for you (from the introductory talk)

- Comprehensive training on using the Physics Analysis Toolkit (PAT) in CMS data analysis:
 - ➔ learn how to use the PAT “in general”
 - ➔ set up your own Physics analysis in PAT
 - ★ *not an “academic” exercise! ➔ exercises & deadlines...*
 - ★ *details of the PAT relevant to your interests*
 - ➔ access data, run the CMS software, etc.
 - ★ *all the software tools you need for a Physics analysis*
 - ➔ maybe also learn some Physics!
 - ★ *although this not the primary aim of the course*
 - ➔ share your experience, meet other CMS collaborators
- We will help you our best to achieve these goals:
 - ➔ each participants will be assigned a tutor
 - ★ *provide guidance, oversee exercises*



Did you learn to use the PAT?

- Yes, I'm confident and know where to look for more information (5)
- Yes but I still have to learn more (7)
- I got started (6)

- Lessons
 - required some previous CMSSW knowledge
 - required some previous Physics analysis knowledge
 - see next slides...



Set up your own Physics analysis in PAT

- Exercises & deadlines
 - need some more basic exercises
 - time to complete very variable across modules
 - exercises with FWLite required previous knowledge of FWLite
- Adapting to your analysis
 - exercises should be “application to one’s own analysis”
 - ★ *not always the case*
 - some use cases not covered



- Data access, CMS software
 - requires T2 access (credentials, etc.)
 - more on CMS software (config. language, FWLite)
- Learn some Physics
 - explain not only “how” but also “why”
- share your experience, meet other CMS collaborators
 - ...
- Continued support
 - keep forum and tutors “alive” for further support?



Goals for us (from the introductory talk)

- In teaching you:
 - ➔ understand the users' needs better
 - ➔ transfer knowledge
 - ➔ broaden the expertise and user-support
- In setting up the contents of the course:
 - ➔ improve the PAT documentation
 - ➔ provide more examples and tutorials
- Thank you for helping us achieve our goals!



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- We'll do our best to follow-up!



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THANK YOU!