

IDEAS FOR A DETECTOR SCHOOL



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on behalf of the two groups



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Theoretical part:

- ❑ Set of lectures about the basic principles of gas detectors and their applications
 - ❑ dedicated session about drift chambers

- ❑ Set of lectures about
 - ❑ particle identification
 - ❑ tracking algorithms

Practical part:

- ❑ Tutorials about:
 - ❑ event generators, detector geometry description, simulation of gas, ionization reconstruction algorithms, event selection tools
 - ❑ data acquisition and signal reconstruction with a proportional counter
 - ❑ measurement of the working point / gain of the counter
 - ❑ wave form analysis