



Contribution ID: 1

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## Experimental program at the LHC

*Wednesday 2 March 2022 17:00 (1h 30m)*

- 1\.. Introduction to the Course. Objectives. Plan of lectures. Additional information.
- 2\.. The LHC physics case. In a few slides review what are the main motivations for the LHC program. Short reminder of SM.
- 3\.. The LHC experimental program. The LHC machine. The experiments. Basic comparison CMS, ATLAS, LHCb and Alice.
- 4\.. Experimental challenges: Cross-sections, rates. Trigger. Pile-up. Radiation.

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