



Experimental Methods and Physics at the LHC

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Questions

Physics Analysis Topics

- What kind of physics analysis you can perform if the magnetic field is zero?
- What kind of backgrounds you will get if you are looking for X and why? How do you reduce these backgrounds?
 - ▶ Search for heavy stable charged particles
 - ▶ Search for $Z' \rightarrow Ah \rightarrow 4b$
 - ▶ Search for mono $h \rightarrow \gamma\gamma$
 - ▶ Search for $Z' \rightarrow \mu\mu$ where Z' has long life time