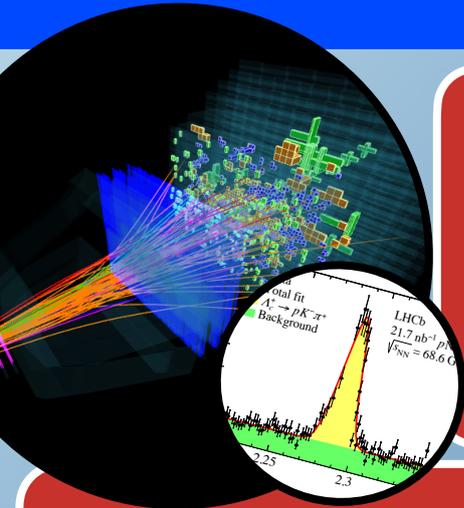


YOUNG RESEARCHER (m/f) EXPERIMENTAL PARTICLE PHYSICS



TOPIC: Analysis of the LHCb spectrometer data and heavy flavour physics

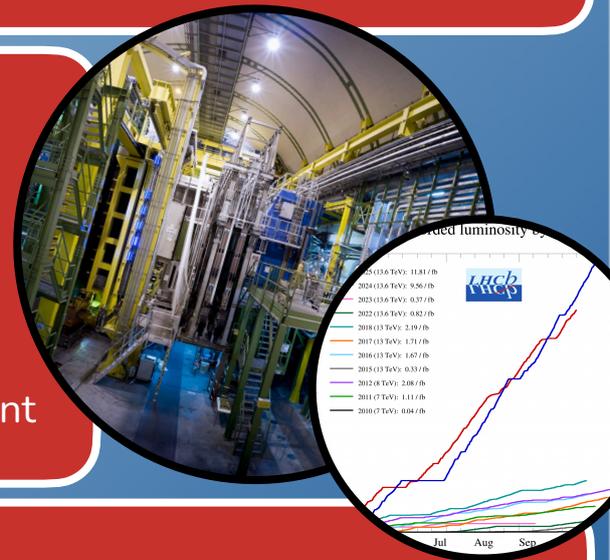


REQUIREMENTS:

- ✓ MSc (2nd cycle), by mid-September
- ✓ Average grade of 8 or higher (1st and 2nd cycle)
- ✓ Interest in particle physics, data analysis, and AI/ML
- ✓ Motivation for teamwork in an international environment

WE OFFER:

- 4-year employment (starting October 1, 2026)
- Active participation in the LHCb collaboration
- Opportunity for extended research visits to CERN
- Work with real LHCb data from the experiment
- Stimulating and international research environment



WORK INCLUDES:

- ✓ Performing Monte Carlo simulations and event reconstruction
- ✓ Applying artificial intelligence and machine learning techniques
- ✓ Handling large-scale datasets
- ✓ Running computations on HPC systems
- ✓ Conducting data analysis using the LHCb spectrometer/detector
- ✓ Searching for physics anomalies or deviations from the Standard Model

More info:

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