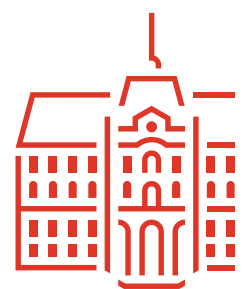


Postdoctoral Position on ATLAS analysis at Jozef Stefan Institute (JSI) in Ljubljana

Miha Muškinja

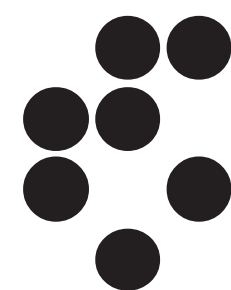
LHC ECSF Job Matching Event
Tuesday, May 14, 2024



UNIVERSITY
OF LJUBLJANA

FMF

Faculty of Mathematics
and Physics

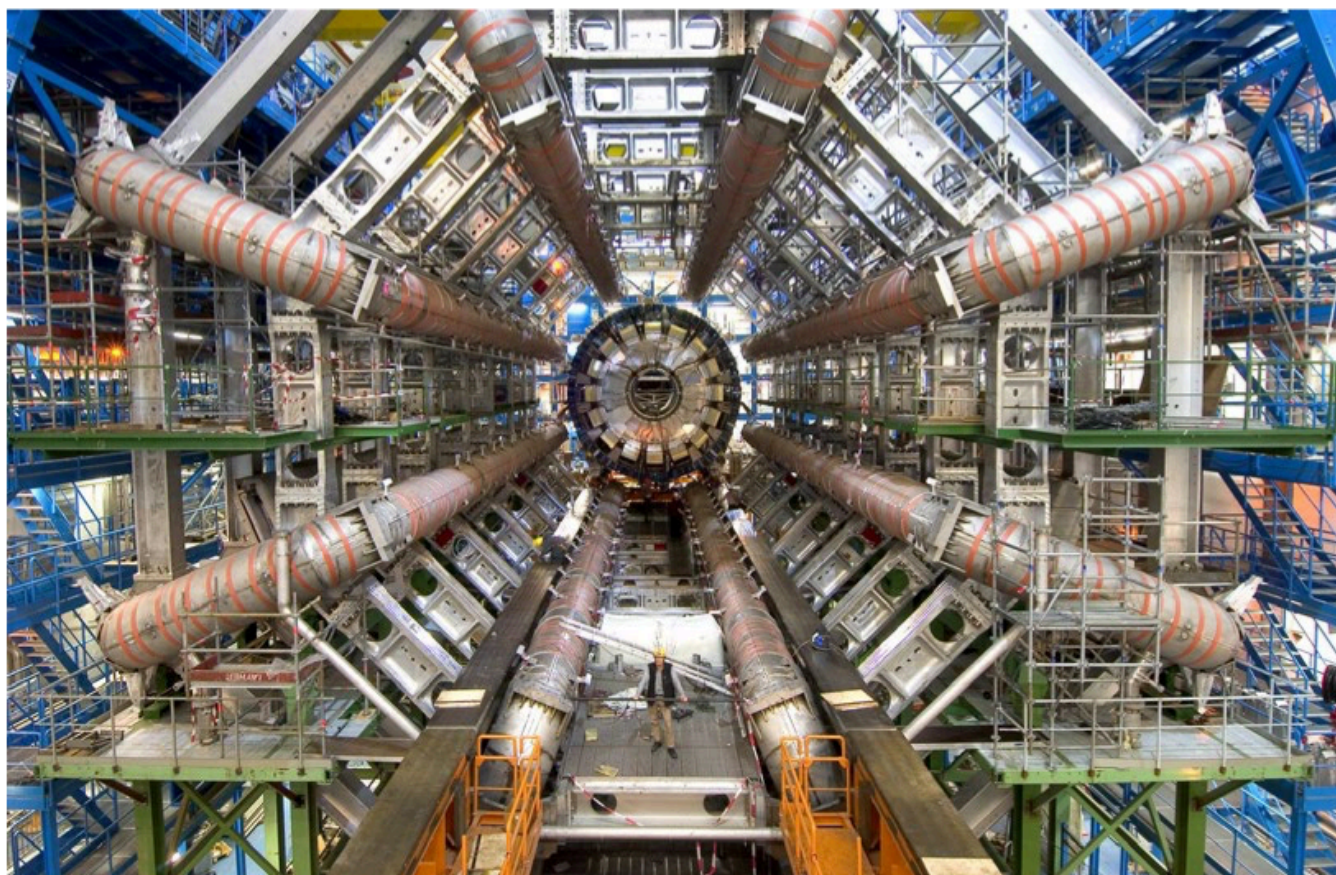


Jožef Stefan Institute, Ljubljana, Slovenia





- Part of the Experimental Particle Physics department at JSI (“F9”): <https://www-f9.ijs.si/en/>
- The department working on **ATLAS** & Belle II experiments and the Pierre Auger observatory
- Successful with European research projects (e.g. ERC grants)
- Active in **ATLAS** since 1996, currently 20 active members (5 PhD students). Significant involvement in:
 - ATLAS Phase-II upgrade (ITk, HGTD, BCM’) and DRD3 / solid state detectors (drd3.web.cern.ch)
 - ATLAS software & computing
- This position is to work with assistant professor Miha Muškinja in ATLAS primarily on Higgs / SM analysis
 - A PhD student will start at the same time to work on the project— mentoring opportunity for postdoc



The Energy Frontier



The Intensity Frontier

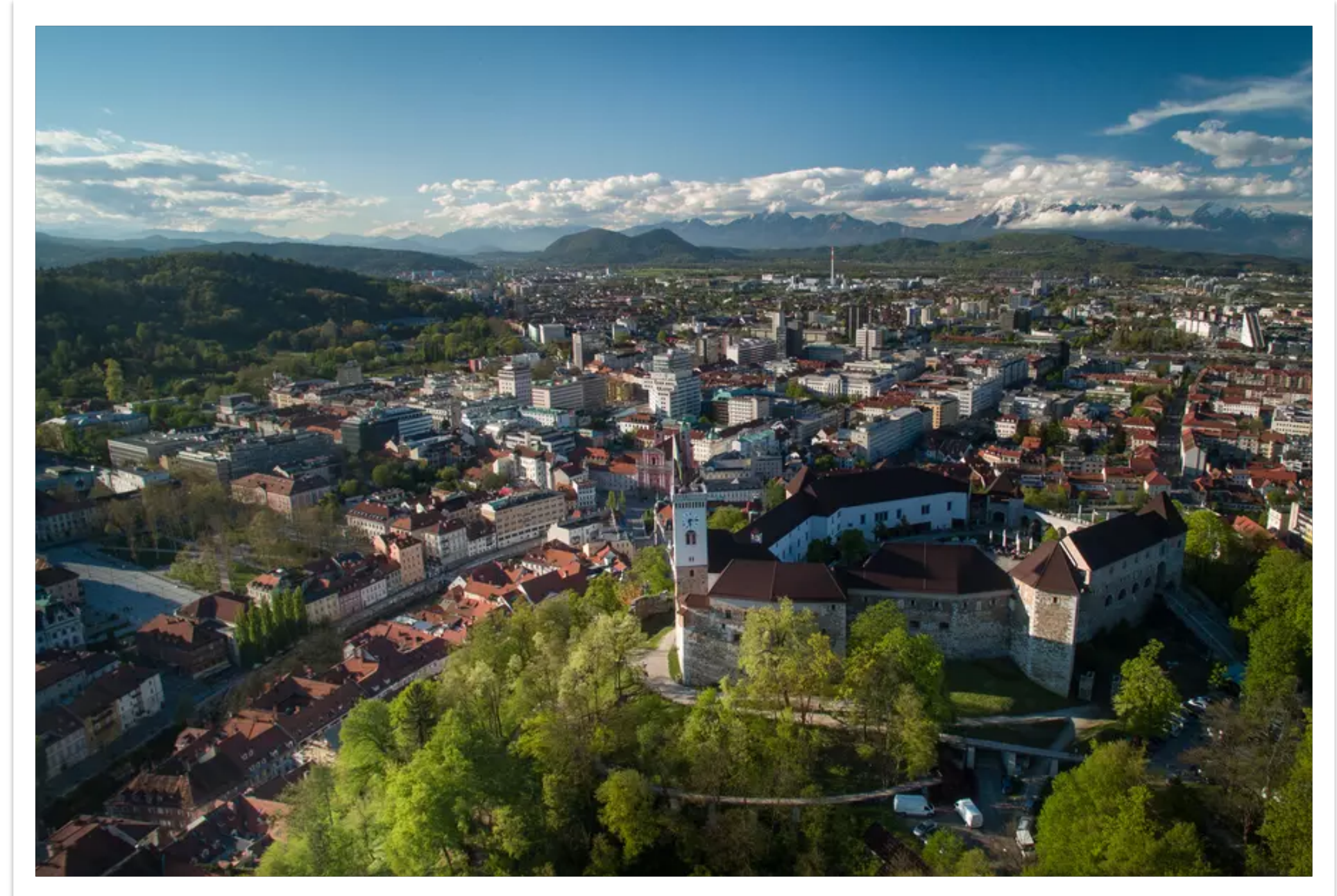
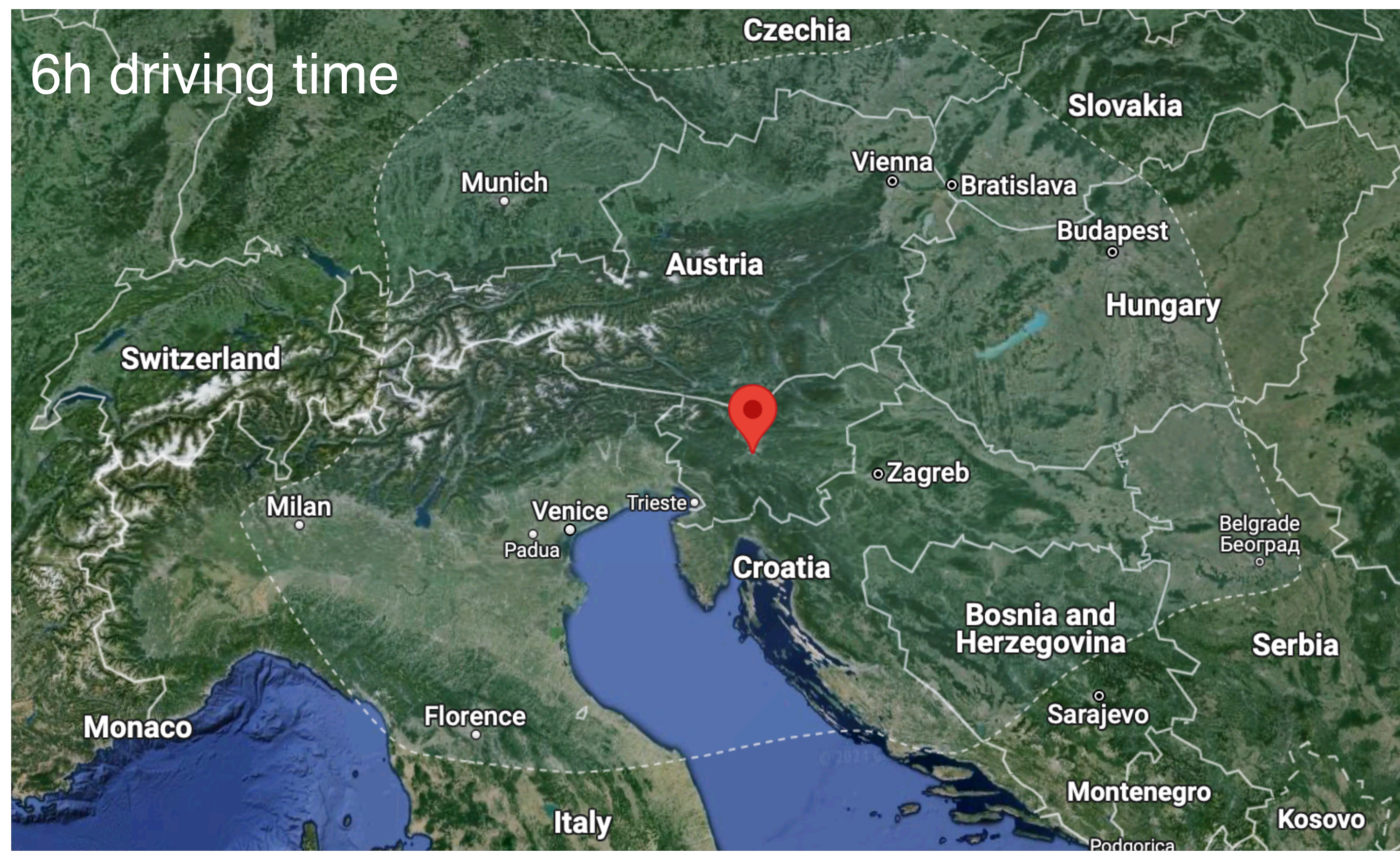


The Cosmic Frontier

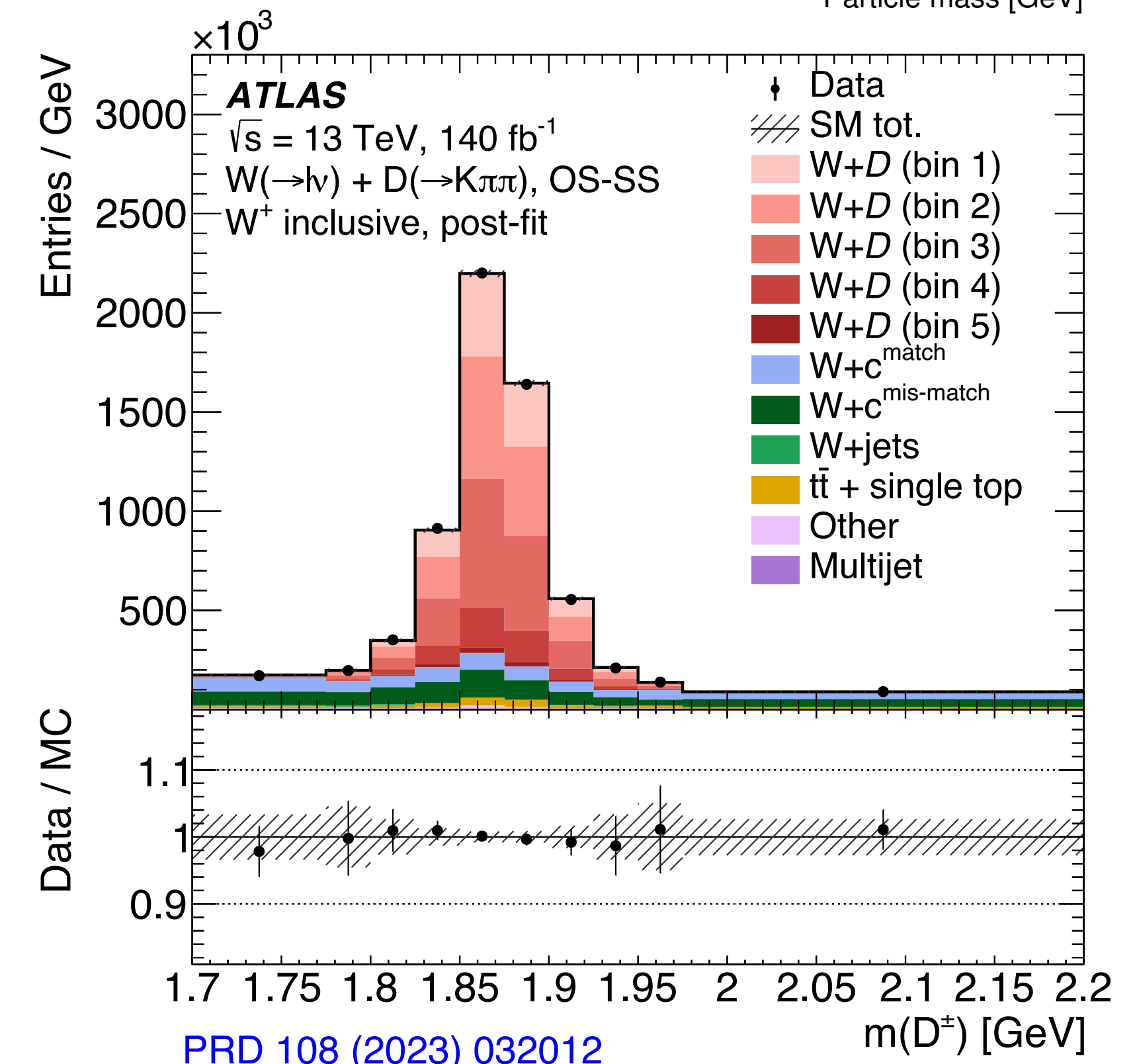
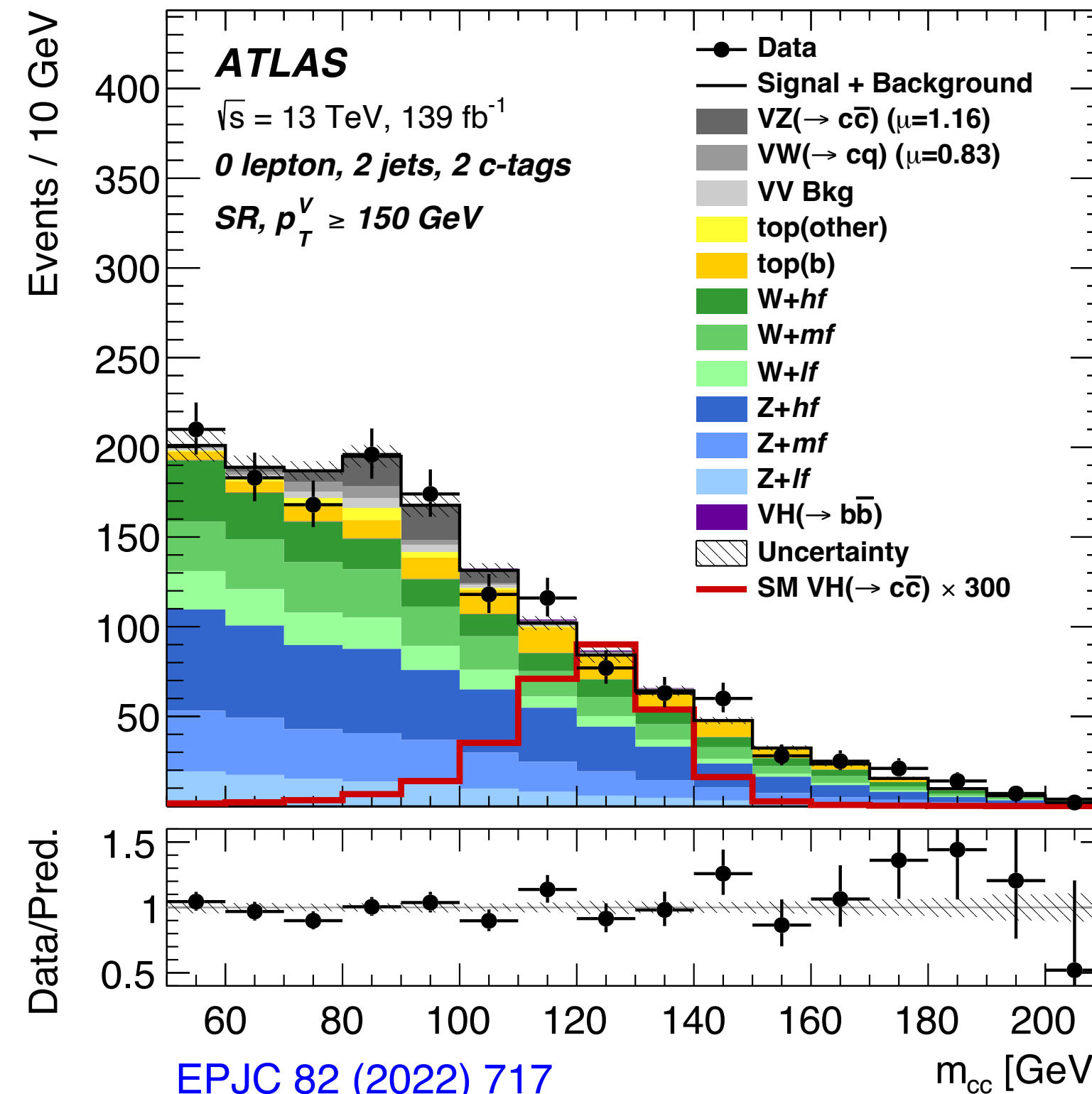
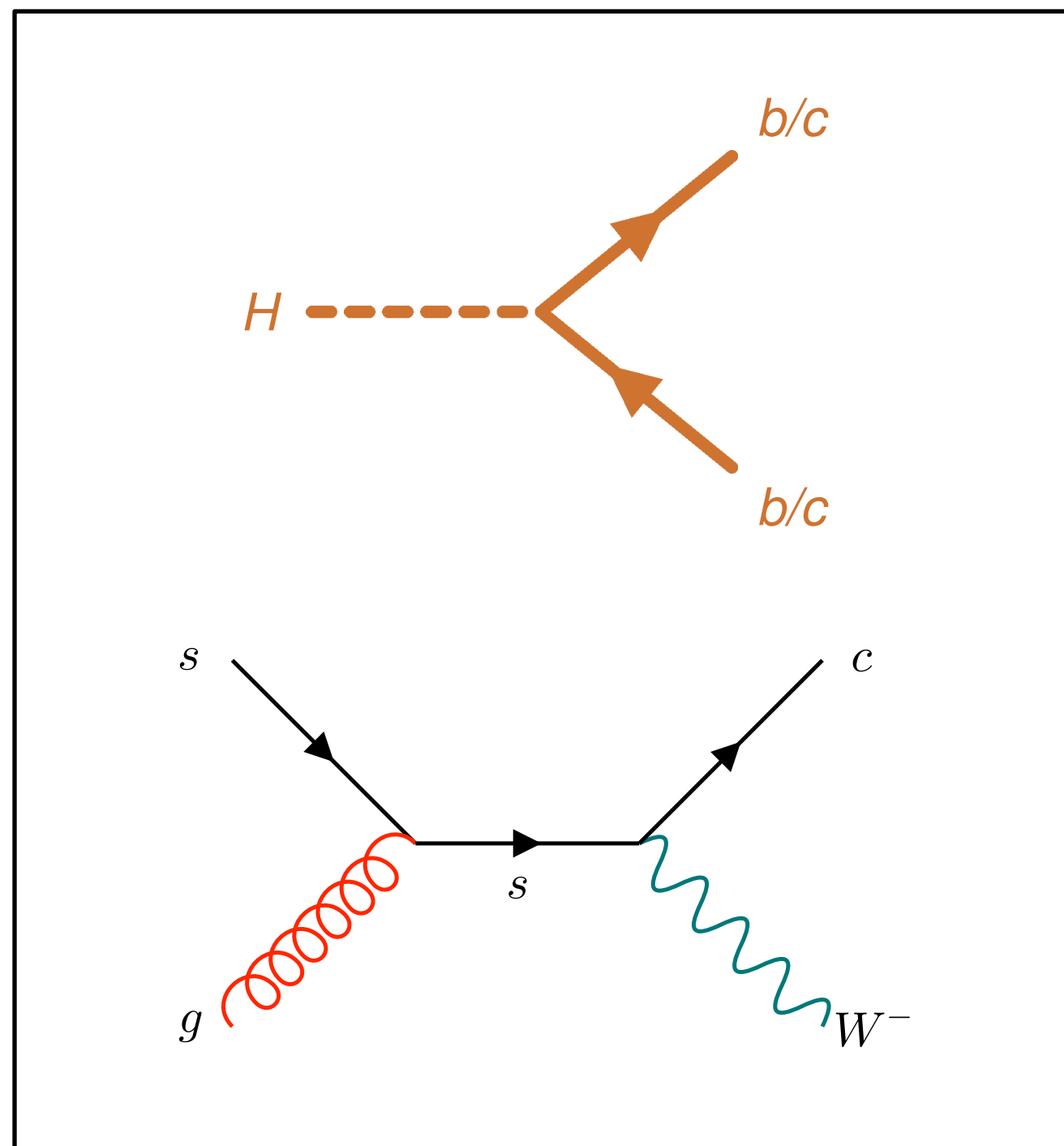
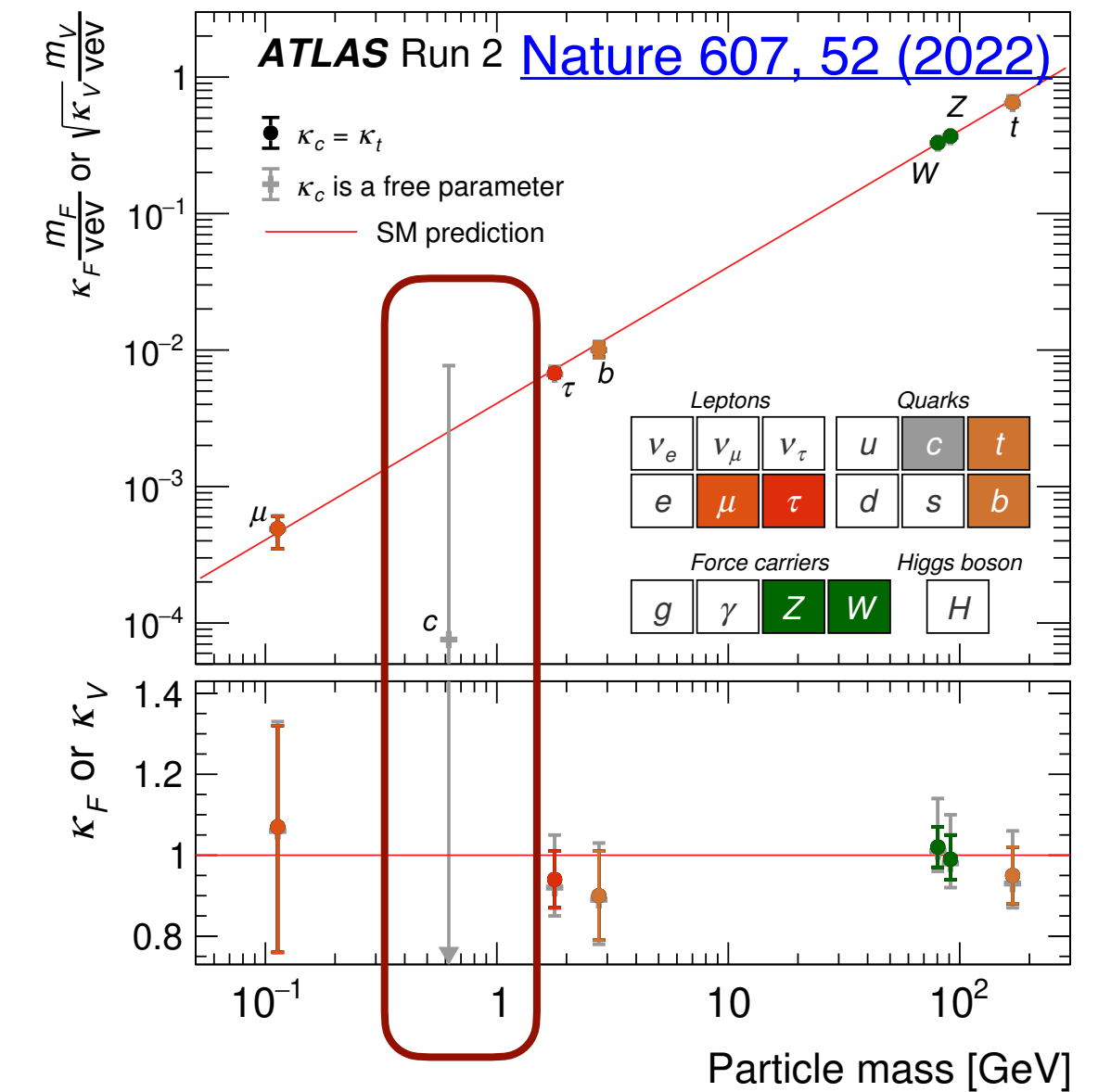
About Ljubljana



- Ljubljana is the capital of Slovenia
- Population about 280,000 with about 38,000 students at the University of Ljubljana
- Easy road access to the Alps, the Adriatic sea, and cities such as Venice, Vienna, and Munich
- The JSI is situated at the center of Ljubljana and across the street of the Faculty of Mathematics and Physics (PhD study)



- Primary interest in the Higgs $H \rightarrow bb/cc$ couplings and precision measurements of $V+jets$ / $V+HF$
- Emphasis on final states with Heavy Flavor (HF) jets or explicitly reconstructed charm hadrons (D^+ / D^*)
- Service work: Physics Modeling (PMG), Flavor Tagging (FTAG), software
 - Work on detector upgrade possible with other faculty or staff members





- Link to ad on InspireHEP: <https://inspirehep.net/jobs/2766019>
- **Deadline:** May 31st
- **Contract duration:** 2 years with a possibility of extension beyond this
- **Contract start:** September / October 2024
- **Location:** primarily at the Jozef Stefan Institute in Ljubljana
 - Frequent travel to CERN and conferences / workshops
- Some teleworking possible but not more than 1d / week
- Please contact Miha Muškinja for additional questions: miha.muskinja@cern.ch

Backup