# Postdoctoral position at the University of Cyprus LHC Job Matching Event (JMEv) Fall '24





# University of Cyprus

Halil Saka November 27, 2024



### Cyprus in a nutshell

Cyprus is an associated member state of CERN

- support for **travel** to CERN
- easy access to Geneva (many daily flights)
- and when not traveling, great weather throughout the year!

### **University of Cyprus:**

- the flagship institution of particle physics in Cyprus
- located in the capital city, Nicosia

### UCY Experimental Particle Physics group:

- Active in CMS since the **beginning of the LHC** program



## **UCY CMS Group**

Prof. Fotios Ptochos, Prof. Halil Saka (also see his session today!)

- + 2 Postdoctoral researchers
- + 4 PhD Students
- + fellow faculty members in theoretical particle physics

We are active in multiple analysis/software/detector fronts:

- All BSM PAGs [EXO, B2G, SUS]
- Tau/JME POGs
- HCAL Subdetector (operations and Phase-2 upgrades)
- Trigger/DAQ monitoring

Close collaborations with multiple CMS institutions:

Rutgers University (USA), Brown University (USA), University of Florida (USA), Helsinki Institute of Physics (Finland), Institute of High Energy Physics (China), CERN, ...











### New physics at the EWK scale?



### **Scope and timeline**

Run-3 dataset and Cyprus awaits you!

- A very rich experimental and BSM theory landscape with leptonic signatures
- Even the well-established methods require rethinking to face the high-lumi era.
- We have projects for a variety of skill sets and interests!

The boilerplate: A **PhD in particle physics** is required by the appointment start date. Position(s) will open by ~March 2025, 2 year initial duration (stay tuned on inspirehep.net!, application through the UCY web portal) Location: Primarily **Cyprus**, with frequent travel to **CERN** Candidates are expected to lead group's analysis efforts with Run-3 data. Detector/operations involvement is encouraged (e.g. HCAL, Lumi,..) but not required. For all inquiries, please contact halil.saka@cern.ch

