

## Prof. Chris Neu

*Associate Professor, Experimental High Energy Physics at University of Virginia, USA*

Offering a **Full-time paid** job in **North America**

What job category are you offering a position for?

- **Postdoc**

What is the field of physics analysis expertise of the position which you are offering?

- **Top**
- **Higgs**
- **EXOTICA**
- **Beyond-two-Generations**

What is the field of physics object expertise of the position which you are offering?

- **Jets/Missing Et**
- **Tracking**
- **No expertise in physics objects**

What is the field of detector hardware expertise of the position which you are offering?

- **MTD**
- **General knowledge of hardware, electronics, DAQ is beneficial**

Would you like to add any comments?

**The successful candidate will be expected to play a leadership role in the operation of UVA as an Assembly Center for the Barrel Timing Layer of the MIP Timing Detector (MTD) upgrade to the CMS experiment. This is a unique opportunity in experimental collider physics where one will be able to participate in the simulation, prototyping, fabrication, integration and commissioning of a completely new sub-detector at an LHC experiment. Further, the successful candidate will have a chance to work on the analysis of data from the upcoming Run 3 at CMS. Specifically, the successful candidate will have the opportunity to join existing efforts studying machine learning techniques in the context of searches for di-Higgs production, dark matter and exotic long-lived particles at CMS. Finally, the successful candidate will have the chance to mentor a diverse team of talented graduate and undergraduate students engaged in research on CMS.**

**For additional information about the position, please contact Chris Neu, Associate Professor, at [chris.neu@virginia.edu](mailto:chris.neu@virginia.edu).**

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