

The **Department of Physics and Astronomy of the University of Alabama** (UA) has an immediate opening for a **postdoctoral position in the field of High-Energy Physics with the CMS experiment**.

The successful candidate will perform searches for new physics beyond the Standard Model with the CMS experiment, including novel uses of machine learning in physics analysis and detector reconstruction and contribute to detector operations and/or CMS Phase-II upgrades.

Applicants should have a PhD or be near completion of a PhD in High-Energy Physics or closely related field. The ideal candidate will have experience with high-energy physics data analysis, advanced programming skills and/or experience in detector operations.

The successful candidate will join the UA CMS group that is involved in measurements of the Higgs boson properties, searches for rare decays of the Higgs boson, dark matter and physics beyond the Standard Model, as well as Phase-II detector upgrades. Additionally, the University of Alabama is involved in direct dark matter detection, the intensity frontier and particle astrophysics experiments (IceCube, Exo-200, LZ, MiniBoone, MoEDAL and VERITAS experiments) as well as high-energy theory and phenomenology.

Review of applications will begin immediately and continue until the position is filled. Questions about the position may be directed to Prof. Sergei Gleyzer [sgleyzer@ua.edu](mailto:sgleyzer@ua.edu). The position is for one year initially, with the possibility of renewal based on mutual agreement and availability of funds. The position is preferred to be based at CERN. Residence at the Fermilab LHC Physics Center (LPC) is also possible based on mutual agreement.

Applications should be submitted electronically at <https://careers.ua.edu/jobs/post-doc-visiting-scientist-515401-tuscaloosa-alabama-united-states>

The application should include a cover letter, a statement of purpose and a current CV. Three recommendation letters should be sent to Prof. Sergei Gleyzer, [sgleyzer@ua.edu](mailto:sgleyzer@ua.edu). Submitters and recommenders are asked to please specify "**CMS Postdoc**" in the subject of the email.

*The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age, genetic information, disability, or protected veteran status, and will not be discriminated against because of their protected status. Applicants to and employees of this institution are protected under Federal law from discrimination on several bases. Follow the link below to find out more.*

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