Experimental/DATASCIENCE
postdoctoral positions in High Energy Physics

Thursday, 23 January 2020.

The Experimental HEP group at the Weizmann Institute of Science (WIS) is looking for a postdoctoral research fellow in the field of Experimental High Energy Physics for exciting new research focusing on implications and developing of Deep Learning methods for analyzing the huge ATLAS DATA.

Jobs description

The postdoc is in the framework of common research with the NYU DATA SCIENCE/HEP group of Kyle Cranmer. We also collaborate with the WIS CS group. At the moment our group is focusing on heavy flavor tag with Graph Networks, particle flow with UNET architecture and anomalies detection with Auto Encoders. This job is also suitable for scientists who wish to be involved at the LHC and have not done it so far. It is possible to include qualification work at ATLAS as part of the PostDoc research. Some details can be found here: http://www.weizmann.ac.il/particle/Gross/ .

The post is to be based in WIS with frequent trips to NYU, CERN, and Workshops if necessary.

The job is under the framework of an NSF/BSF grant with NYU.

Requirements

The applicant should have a Ph.D. degree in physics and/or computer science, with excellent programming skills. Experience in machine-learning techniques is an advantage.

Salary and benefits

Following the University regulations: The positions are initially for two years, and can be extended to three years.

Application

Application should include a CV and a list of publications.
Applicants should arrange to have three letters of reference.
Applications and recommendation letters should be sent by email to eilam.gross@weizmann.ac.il with a subject title **HEP Postdoc Search**.
The review of the applications will begin immediately and will continue until the positions are filled.

For further information please contact eilam gross