



We would like to draw your attention to a job opening for a permanent position as junior full-time researcher in artificial intelligence for particle physics based in Toulouse (France). The position is based at the new “Laboratoire des 2 Infinis – Toulouse” (L2IT).

Are you a colleague with demonstrated experience in the field of advanced artificial intelligence (AI) ? Are you interested in applications to particle physics, but do not have much/any hands-on experience with physics? Please do not hesitate to get in touch with members of the particle physics team at the “Laboratoire des 2 Infinis – Toulouse” (L2IT). We are happy to discuss particle physics, the Higgs boson, the LHC particle collider, our detector ... with you. We need a person with demonstrated experience in AI. As long as you are interested, the necessary skills in particle physics can be learnt on the job.

Two of our recent conference proceedings can be found here:

<https://cds.cern.ch/record/2815578/files/ATL-ITK-PROC-2022-006.pdf>

https://www.epj-conferences.org/articles/epjconf/pdf/2021/05/epjconf_chep2021_03047.pdf

L2IT is a joint research unit of the French national centre for scientific research (CNRS) and the University Toulouse III - Paul Sabatier, created in January 2020. Within the CNRS, the unit is led by IN2P3, the national institute of nuclear and particle physics. The objects of study of the L2IT researchers and engineers are the two infinities - the infinitely small and the infinitely large - and the relationships between the phenomena that govern each of them. We pursue our research within large international collaborations, such as the Virgo and LISA projects in cosmology, and at CERN in Geneva in particle physics. The L2IT is currently composed of 24 people, including 12 permanent members who set up the research teams. L2IT is located on a dynamic campus that includes faculties, schools and laboratories. The strong synergies between the themes of the L2IT and the existing fabric of Toulouse laboratories in physics and computer science are to be exploited.

More general information on L2IT, can be found here:

<https://indico.in2p3.fr/event/24978/>

and on our website:

<https://www.l2it.in2p3.fr/>

The title of the position is

High energy physics large data sets and computing for the Large Hadron Collider (LHC) experiments

and it is opened via the “concours chercheurs CNRS”, in section 55:

<https://www.cnrs.fr/en/competitive-entrance-examinations-researchers-womenmen>

Direct link to the list of available positions:

<https://gestionoffres.dsi.cnrs.fr/fo/offres/default-en.php>

(committee 55 is right at the end)

Please note that the deadline for applications is on January 5th at 1pm (Paris time). Don't hesitate to get in touch with us any time between now and the deadline. Do not hesitate to forward this mail.

Best regards,
Catherine Biscarat and Jan Stark

Please get in touch with either of us:

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