

Simon Klüttermann

psorus.de | Simon.Kluettermann@rwth-aachen.de | +4915779789970 | Github | CV

Laboratoire de Physique

ENS de Lyon and CNRS
46, allée d'Italie
F-69364 Lyon cedex 07

January 31, 2021

Dear Prof. Bouchet,

i am currently looking for a PHD position, and the one you advertise [here](#) is quite interesting to me. I would like to pursue a career between some physical application and machine learning, and your advertised position would allow me to nicely combine things I already know about with things I would like to learn more about. And I might not have been able to see myself doing climate science, but looking at your advertisement it seems quite enticing.

Using the knowledge and skills I have acquired in my master studies, I also believe that I can provide significant value to your research group, while providing me invaluable experience to prepare me for my future career.

In (my own projects and) my theses, I have applied knowledge of machine learning and especially anomaly detection to (for example) finding new physics symptoms in jet events. Particle physics might be a bit different to your application, but I think machine learning makes it fairly easy to switch between applications. Also I have experience with working on low amounts of data (I had a model in my masters thesis that run on a few 100 events) as well as in less straight forward applications of machine learning (see my masters thesis or [here](#) and your idea of a feedback loop certainly interests me. A more complete overview of my interests can be seen in my [CV](#).

I have never been really scared by the idea of climate change, since I believe that scientific progress can be much more powerful. And now that I have the skills to help, I would love to contribute.

Thank you for reading my cover letter and for considering me for this position. If you have any questions, please feel free to write me.

Sincerely,



Simon Klüttermann

For reference letters, please write a quick email to

- [Prof. Dr. Michael Krämer](mailto:mkraemer@physik.rwth-aachen.de): mkraemer@physik.rwth-aachen.de
- [Dr. Alexander Mück](mailto:mueck@physik.rwth-aachen.de): mueck@physik.rwth-aachen.de