

# Simon Klüttermann

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## Laboratoire de Physique

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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 even a couple month ago, but looking at your advertisement it seems quite enticing and I love learning new things.

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.

Regarding your Soft-skill requirements, I work well on my own, even though I also quite like to work with other peoples and frequent traveling would be problem for me.

I have never been really scared by 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 the chance of contributing to something worth-wile.

Thank you for reading my cover letter and for considering me for this position.

Sincerely,



Simon Klüttermann

For reference letters, please write a quick email to

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