

Reinforcement Learning for
Autonomous Accelerators



RL4AA'25 COLLABORATION WORKSHOP

JOIN NOW!

2-4 April 2025
DESY (Hamburg, Germany)



Reinforcement learning is a powerful learning paradigm of machine learning that holds a lot of promise for **particle accelerators**. Join us in our yearly workshop to learn, discuss, and network!

KEYNOTE SPEAKERS



RL challenge

Get your hands dirty with RL in small teams, write some code, and possibly win a prize.



Contributed talks

Enjoy targeted and specialised talks on different RL applications and methods.



Posters

Discuss your work and find out what others are working on in a poster session.



Introduction to RL

Get a beginner-friendly introduction to foundational RL concepts and advanced topics.

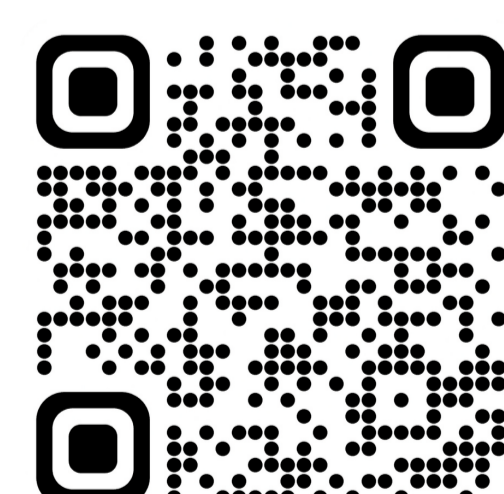
Jan Peters
Professor for Intelligent
Autonomous Systems
TU Darmstadt



Alessandro Pau
Research Scientist
Swiss Plasma Center
EPFL



Register!



Join our
Discord
server!



CALL FOR ABSTRACTS IS OPEN!

You can submit for:

- Contributed talk
- Poster

RL4AA'25 Organizing Committee

Annika Eichler (DESY)
Jan Kaiser (DESY)
Christian Hespe (DESY)
Simon Hirlander (University of Salzburg)
Andrea Santamaria Garcia (University of Liverpool)
Chenran Xu (Karlsruhe Institute of Technology)
Borja Rodriguez Mateos (CERN)

Organising Institutions



Funding

<https://rl4aa.github.io/RL4AA25/>