

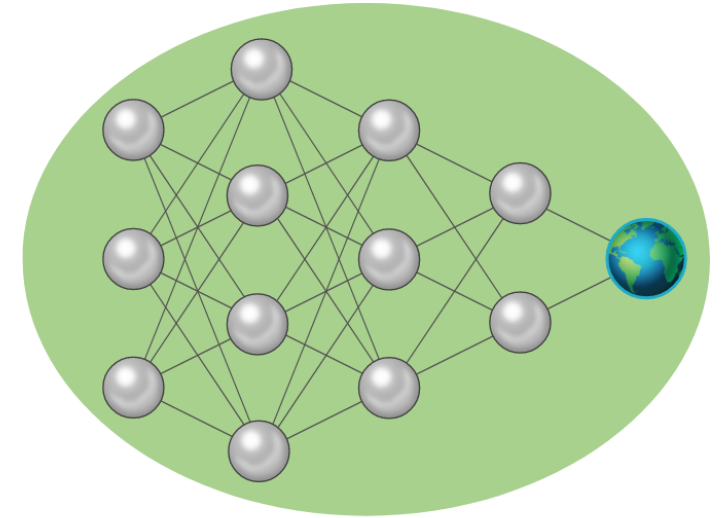
Student involvement in PEARLS

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PEARLS days, 22-24 September 2026

24.09.2026



PEARLS

Precision in Energy-aware AI Research
for Low-carbon Solutions

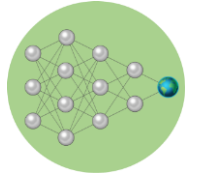
With funding from the:



universität freiburg

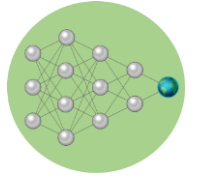


Doctoral students at UFR



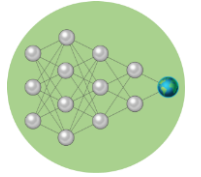
- Two main issues with offering doctoral theses on PEARLS
 - Funding period duration → Not long enough to ensure completion of doctoral thesis with time scale of up to around 5 years
 - Would require backup funding, if PEARLS funding runs out, which is currently not available
 - Acceptance of thesis topic → Physics thesis requires physics research → Thesis topic would thus probably have to include some physics research that is accepted by the physics institute
 - Would require clarification at the institute what criteria a thesis must fulfil
- Supervision of doctoral students
 - Exceptional supervision agreement as primary supervisor possible if doctoral student is hired on own funding
 - E.g. if the above two questions are solved, this question would be solvable

Bachelor & master students at UFR



- Main issue here: Missing examination permission (Prüfungserlaubnis)
 - Since bachelor & master students are not paid → No possibility for exceptional examination permission
 - Two options:
 - Official supervision done by other professor → Potentially LHCb professor has offered
 - Habilitation of myself to obtain examination permission → To be decided
 - Question about thesis topic criteria also needs to be addressed in this case
- Proposal: Advertise PEARLS for bachelor & master theses at the “Säulenveranstaltung”
 - Once a year event at the physics institute where working groups present their research to potential bachelor and master students
 - Usually in January → Participate in January 2027
 - Start of theses in spring / summer 2027 would allow for thesis completion still before the end of the funding period

Doctoral students at DESY



Bachelor & master students at DESY

