



Machine Learning at the Austrian Academy of Sciences

- A thematic platform of the ÖAW -

Make it (Net)work! #11, 15.10.26

We have access to MUSICA!

- You can run jobs now on [MUlti-Site Computer Austria – MUSICA](#)
- The ÖAW got a 1,000,000 token budget to run in the next 12 months.
- If you haven't heard this info from your institutes AI contact, talk to me!
- Applications are simple:

Field	Information
Project title	[Enter project title]
Responsible scientist	[Name, title]
Principal Investigator (PI)	[Name, title]
Institute / research unit	[Institute / research unit]
Contact person for technical coordination	[Name, email, phone]
Planned period for the applied computation	[Start date – end date]
Requested start date for computing resources	[Date]
Estimated amount of tokens	[est. number of tokens]

Please provide an abstract of approximately 250–500 words, roughly half an A4 page. The abstract should describe the scientific question, the planned computational approach, expected outputs, and the relevance of HPC resources for the project.

[Enter text here]

MUSICA: Status

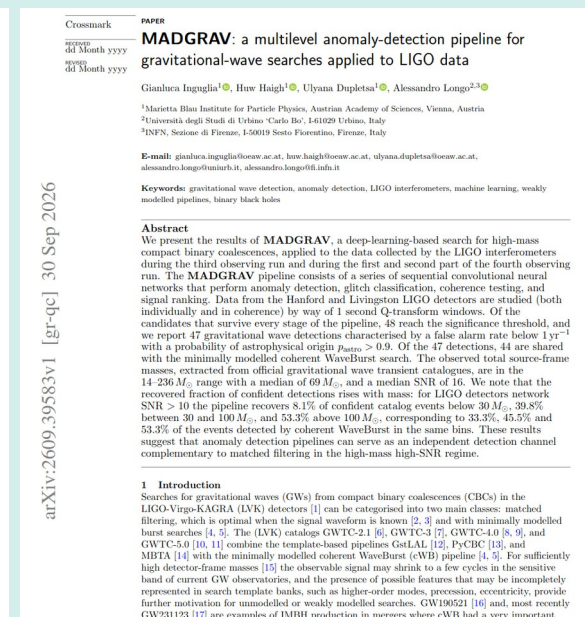
15%

of the ÖAW MUSICA
budget used so far

First results:
MBI already has 2 papers
based on MUSICA runs



GPU event generation with
normalizing flows
arxiv.org/abs/2608.21338

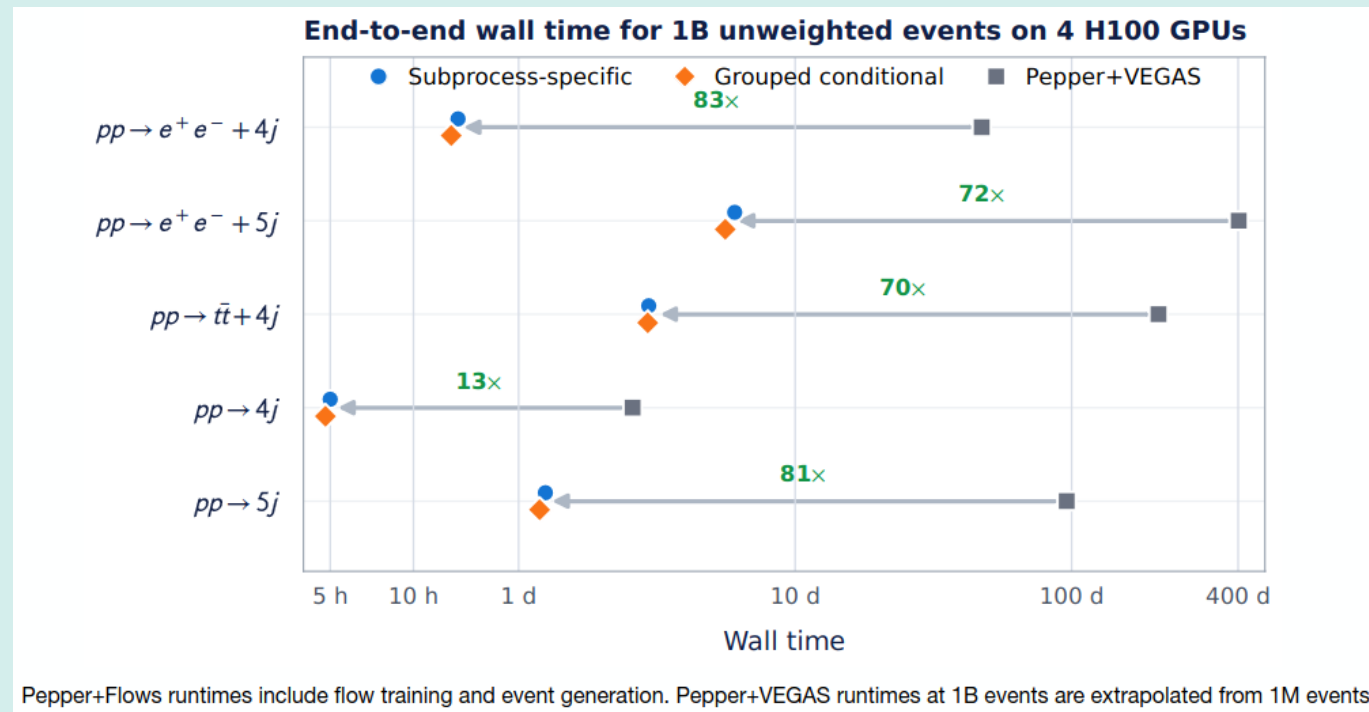


MADGRAV: anomaly detection for
gravitational waves
arxiv.org/abs/2609.39583

MUSICA at Work: Event Generation on GPUs

Pepper + normalizing flows, end-to-end on GPUs: up to **83× faster** for 10^9 unweighted LHC events — multi-week tasks become sub-day computations.

arxiv.org/abs/2608.21338



DHinfra Cluster: GPUs & Large Models for the Humanities

What it is

- GPU & AI infrastructure built for the humanities, cultural studies and arts in Austria (DHinfra.at / CLARIAH-AT)
- Large open language & vision models (100s of billions of parameters), now **Qwen 3.5 (397B)**; users vote on the next ones (DeepSeek, Kimi, GLM, Mistral, ...)
- Plus small fast models & embedding models, via an API compatible with common AI tools
- Data stays in the academic network, never goes to commercial providers
- Compute on NVIDIA H200, RTX PRO 6000, L40S; JupyterHub, SSH + SLURM

How to connect

- Since 1 Oct 2026 open to everyone researching or teaching in these fields in Austria
- Submit a project application; courses & theses welcome (lecturers invite their students)
- Access via eduID, i.e. your home institution's account
- Login: login.dhinfra.uni-graz.at
- Introductory phase until 31 Dec 2026: free for selected projects
- Info & launch event: www.dhinfra.at

Short Term Scientific Missions

Purpose

- Invited talks and short research visits
- No deadlines: rolling submission, decision within 4 weeks
- Up to €3,000 per mission for travel, accommodation & subsistence (€15,000 in total for 2026)

Requirements

- Relevant to two or more institutes*
- Includes a public talk / lecture

Details & submission: [on our website](#)

**First mission
underway!**

→ ARTEMIS later today

MLA²S: Upcoming Events

on <https://indico.global/category/958/>



Events of the Thematic Platform "Machine Learning at the Austrian Academy of Sciences - MLA²S"

November 2026



Nov 13 [CLIP Symposium](#) **NEW**



Nov 10 [Make it \(net\)work! - MLA2S Networking Seminar #12](#)

October 2026



Oct 15 [Make it \(net\)work! - MLA2S Networking Seminar #11](#)



Coming up: Ambassador round table, end of November / early December

Zielvereinbarung 2027-2029

Discussions about the Target Agreements 2027–2029 are underway.

Our plan for MLA²S:

- Keep what we have
- ... and expand

Access to Frontier Models & Agentic Systems

Now

Test procedure being
rolled out at MBI and
ACDH



Very soon

Academy-wide rollout

AI / ML Roundtable



What's new at your Institute regarding AI / ML?