

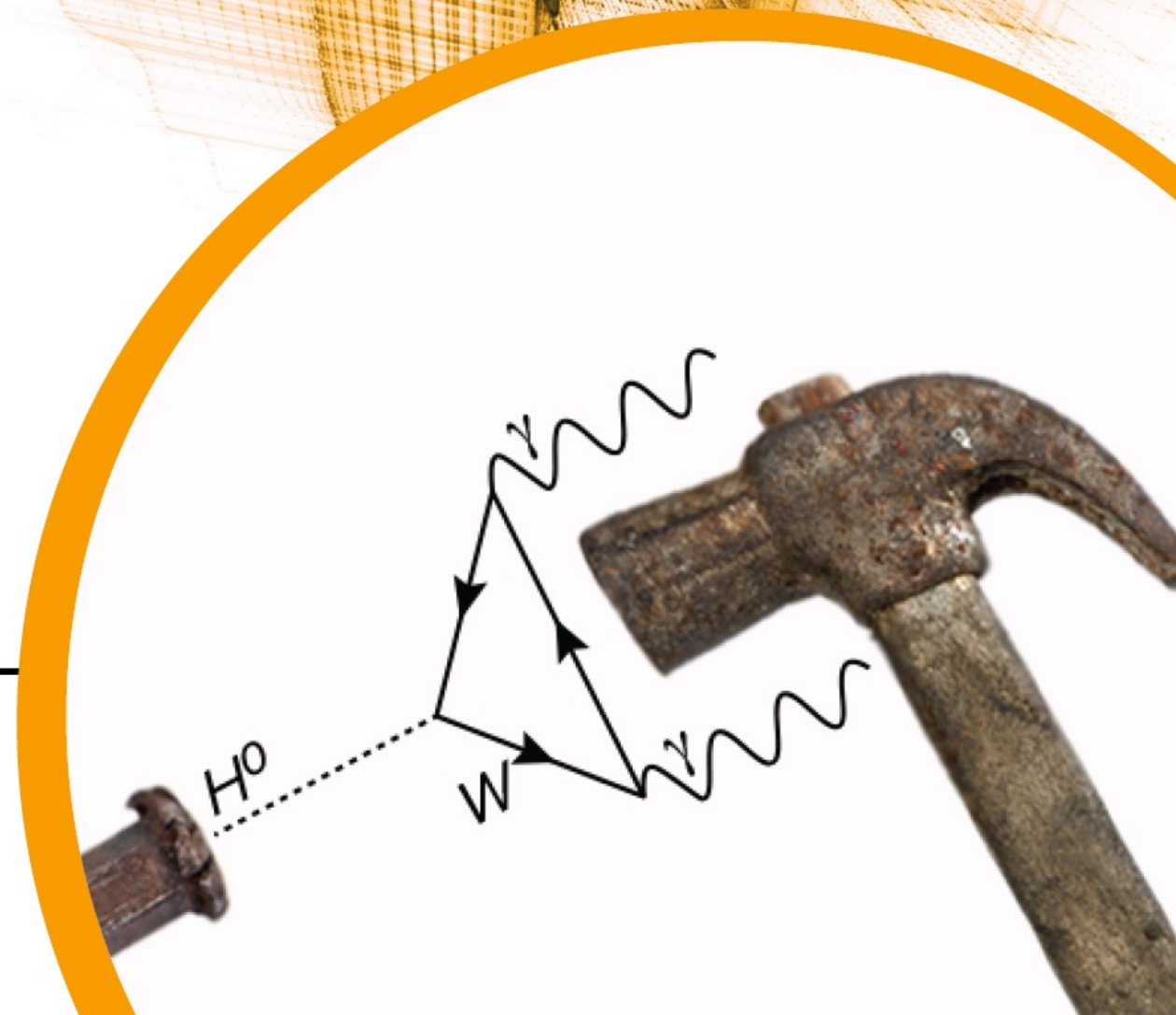
# Hammers & Nails 2023

## Swiss Edition

Frontiers in Machine Learning in Cosmology, Astro & Particle Physics

**October 29<sup>th</sup> - November 3<sup>rd</sup> 2023**

Conference Center Congressi Stefano Franscini (CSF) in Monte Verità, Ascona, Switzerland



# The creators



Eilam Gross



Kyle Cranmer



# Scientific Organizing Committee

**Tobias Golling**, University of Geneva

**Danilo Rezende**, Google Deep Mind

**Robert Feldmann**, University of Zurich

**Slava Voloshynovskiy**, University of Geneva

**Eilam Gross**, Weizmann Institute of Science

**Kyle Cranmer**, University of Wisconsin-Madison

**Ann Lee**, Carnegie Mellon University

**Maurizio Perini**, CERN

**Shirley Ho**, Center for Computational Astrophysics at Flatiron Institute

**Tilman Plehn**, University of Heidelberg

**Elena Gavagnin**, Zurich University of Applied Sciences

**Peter Battaglia**, Google Deep Mind



# The sponsors



# The tech team



Matthew Leigh







Debajyoti Sengupta



Sam Klein



# The participants

A	Adrian Bayer	A	Alex Matthews	A	Alexander Shmakov	A	Andrey Ustyuzhanin	A	Anja Butter	B	Barnabas Poczós
B	Benedikt Maier	B	Benjamin Remy	B	Bruno Régaldo-Saint Blancard	C	Christian Kragh Jespersen				
D	David Heurtel-Depeiges	D	Debajyoti Sengupta	D	Dmitrii Kobylanski	E	Eilam Gross	E	Elena Gavagnin		
E	Etienne Dreyer	F	Franco Terranova	F	François Lanusse	G	Garrett Merz	G	Guillaume Quétant	I	Ivan Oleksiyuk
J	Jakob Macke	J	Jeffrey Krupa	J	Jennifer Ngadiuba	J	Jesse Thaler	J	Justine Zeghal	K	Kinga Anna Wozniak
L	Laurence Levasseur	L	Li Qianxiao	L	Louis Lyons	L	Loukas Gouskos	L	Lucrezia Rambelli	L	Lukas Golino
M	Malte Algren	M	Mariel Pettee	M	Mariia Drozdova	M	Matthew Leigh	M	Michael Elad	M	Michael Kagan
	 Moritz Scham	N	Nathalie Soybelman	N	Nilotpal Kakati	P	Philipp Denzel		 Pratik Jawahar		
R	Radha Mastandrea		 Ramon Winterhalder	R	Robert Feldmann	S	Samuel Klein	S	Shirley Ho	S	Simon Schnake
S	Svyatoslav (Slava) Voloshynovskyy	T	Taco Cohen	T	Thea Aarrestad	T	Theo Heimel	T	Tilman Plehn		
T	Tobias Golling	T	Tomke Schroer	V	Verena Kain		 Vitaliy Kinakh				



\*Please upload your talk **before** the start of the session

# The sad news

Eilam Gross



Michael Elad



Michael Bronstein



Are not here in person (only on Zoom)

[the Israeli NSC (National Security Council) strongly advised against international travel]

# Full disclosure

Elena Gavagnin contacted the local police & will meet the *Vicecomandante*

They will come by from time to time to check the situation and patrol the area (also at night)

More information to follow as needed



# The H&Ns spirit

**In depth  $\approx$  1h lectures by experts in the field**

**Plenty of time for discussion**

Lightning talks by early-career scientists

And infinite coffee !

**New experiment this time**

Submitted abstracts

Poster session (with beer & pizza) – tonight

Brainstorming session

Industry-academia panel

Balint – all sessions\*



\*Auditorium – evening talk **tonight**



# Brainstorming session

2-min & 2-slide brainstorm spotlight pitches by all early career scientists\*

Self-organized brainstorm discussions – seniors to take charge

Brief (optional) summary of discussions

\*Send your slides in pdf form to [Debajyoti.Sengupta@unige.ch](mailto:Debajyoti.Sengupta@unige.ch) [Samuel.Klein@unige.ch](mailto:Samuel.Klein@unige.ch) [Matthew.Leigh@unige.ch](mailto:Matthew.Leigh@unige.ch)  
**the latest by tonight** (the slides will be combined to avoid time during transition)

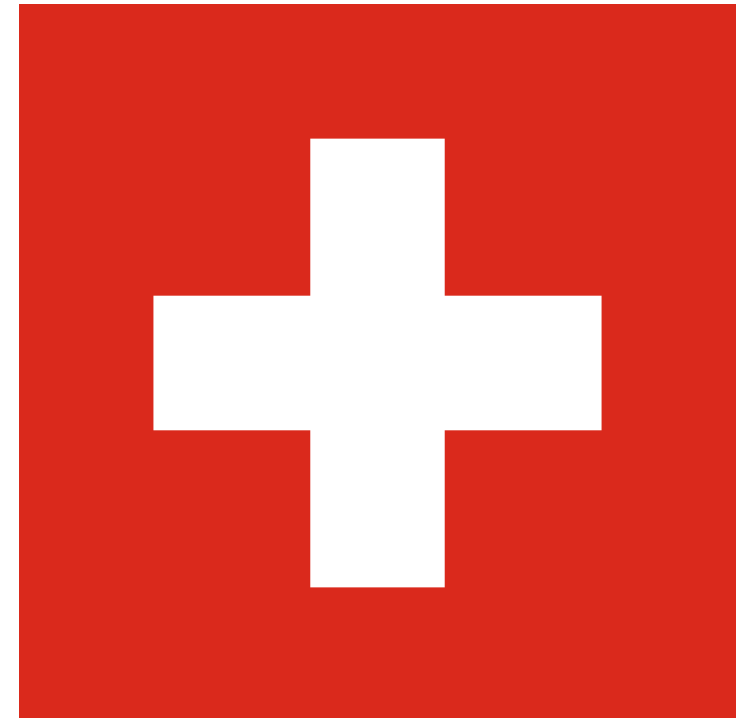
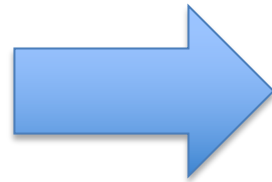
# Industry-academia panel

See [Suggested topics for panel discussion](#)

& add your questions

& upvote questions 👍

# Hummus $\Rightarrow$ Cheese



**Swiss Edition**

# Swiss precision!

5-min session delay: 🤯

10-min session delay: 🤯 🚫🚫🚫 🤯

**Speakers:** please be considerate & stick to allocated time

Ultimate responsibility lies with **session chairs**

**Otherwise:** no ☕, no 🍔

Wear your name tag → meals/diets

Lunch is self-served (access table by table) & dinner is served at the table

Minimize food waste: inform hotel reception desk 24 hours in advance in case you do not plan to attend a meal

# Hammers and Nails 2023

## Insert cards

All Participants

# Fill out

**Tobias Golling**  
UNIVERSITÉ DE GENÈVE  
My expertise is: LHC, new physics, top, flavor-tagging, boosted jets, MC, surrogate models, flows, diffusion, GNNs, transformers, anomaly detection, optimal transport, foundation models  
A problem I'm grappling with: Automating and accelerating scientific discovery (in HEP) with generative models  
I've got my eyes on: Foundation models & differential programming  
I want to know more about: AI & scientific understanding, effective & enriching interdisciplinary collaboration

618 UNIVERSITÄT DUISBURG ESSEN  
UNIVERSITÄT ZÜRICH  
TUWENTSE UNIVERSITEIT  
SWISS NATIONAL SCIENCE FOUNDATION  
ATLAS EXPERIMENT  
HEPDATA

**Eilam Gross**  
UNIVERSITY OF CALIFORNIA  
My expertise is: GNN for Heavy Flavor tag and PF, Higgs Physics, Profile Likelihood, Total Factors in High Energy Physics  
A problem I'm grappling with: How to predict the Feynman Diagram of a collision from the detector output  
I've got my eyes on: Transformers  
I want to know more about: The use of Machine Learning in various fields.

UNIVERSITY OF CALIFORNIA  
ATLAS EXPERIMENT

**Kyle Cranmer**  
MEMBER OF THE HEP ORGANIZATION COMMITTEE  
My expertise is: particle physics, statistics, machine learning, cyberinfrastructure  
A problem I'm grappling with: LHC networks to not miss features, be precise, and give an error bar  
I've got my eyes on: Causal AI, collision models, LLMs  
I want to know more about: Heuristic, causal reasoning

UNIVERSITY OF WISCONSIN  
ATLAS EXPERIMENT  
INSPIRE  
HEPDATA  
recoast  
PvP  
PPX  
cabineetry  
PvPvPvP

**Tilman Plehn**  
My expertise is: QCD, LHC Physics, Higgs Physics, Machine Learning at the LHC  
A problem I'm grappling with: Get networks to not miss features, be precise, and give an error bar  
I've got my eyes on: Anomaly searches and symbolic regression  
I want to know more about: Fun networks and cool trainings, and where we can use them for all kinds of LHC applications

UNIVERSITÄT ZÜRICH  
WESTERN ILLINOIS UNIVERSITY

**Michael Kagan**  
My expertise is: Higgs physics, particle reconstruction, machine learning  
A problem I'm grappling with: ML for quantum sensors in GW experiments; Integrating physics models into ML  
I've got my eyes on: Transformers, Neural Fields, ML for CDE&IDEs  
I want to know more about: Multi-modal learning, Building large models for particle physics

SLAC  
STANFORD UNIVERSITY  
ATLAS EXPERIMENT  
MAGIS-100

**Robert Feldmann**  
UNIVERSITY OF ZÜRICH  
My expertise is: Solving astrophysical problems in galaxy formation with the help of high-performance computing, analytic models, and machine learning  
A problem I'm grappling with: How can we make galaxy formation more predictive? How can we extract the maximum amount of information from observations and numerical models?  
I've got my eyes on: Generative models, Simulation-based inference  
I want to know more about: Causal AI, Improving simulations with ML

UNIVERSITY OF ZÜRICH  
SWISS NATIONAL SCIENCE FOUNDATION

**Elena Gavagnin**  
MEMBER OF THE HEP ORGANIZATION COMMITTEE  
My expertise is: Star clusters, galactic hydro-simulations, machine learning, data science, high-performance computing  
A problem I'm grappling with: Can we extract from simulations and observations what is not to be seen (i.e. initial conditions)?  
I've got my eyes on: Diffusion models, multi-modal AI, LLMs  
I want to know more about: Causal Inference in AI, GPT&Physics

UNIVERSITÄT ZÜRICH  
zhaw

**Ann Lee**  
MEMBER OF THE HEP ORGANIZATION COMMITTEE  
My expertise is: Statistics & machine learning  
A problem I'm grappling with: Goodness-of-fit and calibration of generative models. Systematic uncertainties in likelihood-free inference. Calibrated predictive inference and simulator-based inference.  
I've got my eyes on: Sequential testing, Co-design of experiments and simulation, Causal inference  
I want to know more about: Diffusion models, Graphical neural networks, What SLMs and physical scientists are grappling with...

UNIVERSITÄT ZÜRICH  
zhaw

**Qianxiao Li**  
My expertise is: Deep learning approximation theory, control theory, applied dynamical systems, scientific computing  
A problem I'm grappling with: Principled discovery of scientific knowledge from data, and the mathematics behind it  
I've got my eyes on: LLMs, generative models and their roles in inverse problems  
I want to know more about: I want to know more about: Neural diffusion equations for learning on graphs

NUS

**Franco Terranova**  
My expertise is: Deep Learning, Deep Reinforcement Learning, Distributed Systems, Internet of Things  
A problem I'm grappling with: Combine GNN and Reinforcement Learning for creating graph-aware agents  
I've got my eyes on: Generative Graph models and simulation-real-world gap closing  
I want to know more about: Applications of Science and applications to the astro world

UNIVERSITÄT ZÜRICH  
Fermilab

**Moritz Scham**  
My expertise is: GNNs, GANs  
A problem I'm grappling with: ...  
I've got my eyes on: ...  
I want to know more about: ...

UNIVERSITÄT ZÜRICH  
SWISS NATIONAL SCIENCE FOUNDATION

**Christian Kragh Jespersen**  
My expertise is: GNNs + graph statistics, Dimensionality Reduction, Spectroscopy  
A problem I'm grappling with: Given a set of unordered samples from two 1-dimensional spaces that are a priori supposed to be connected, how can I constrain the mapping from space A to space B?  
I've got my eyes on: Generative GNNs, self-supervised learning for scientific discovery, intrinsic dimensionality  
I want to know more about: Optimal Transport Theory

LST

**Ivan Oleksiyuk**  
My expertise is: Deep Learning, Unsupervised anomaly detection, Autoencoders, Clustering, SSL  
A problem I'm grappling with: Developing unsupervised anomaly detection methods in high-dimensional spaces. Reducing biases of these methods to specify anomaly types  
I've got my eyes on: GNNs, Transformers, Goodness-of-fit, diffusion  
I want to know more about: Unsupervised anomaly detection in jet  
- Exotic particle searches  
- Jet flavour tagging  
- SSL in HEP

UNIVERSITÉ DE GENÈVE  
ATLAS EXPERIMENT

**Ramon Winterhalder**  
My expertise is: Generative models, Monte Carlo methods, VBS@NLO and approximations  
A problem I'm grappling with: Being precise and fast, error bars and control, not missing structures  
I've got my eyes on: LLMs, generative models and their roles in differentiable programming  
I want to know more about: Explainable AI, Grokking (generalization beyond overfitting), non-resonant QCD

UCLouvain  
MadNIS

**Garrett Merz**  
My expertise is: Deep learning, self-supervised learning, computer vision on hyperspectral imagery, Higgs physics  
A problem I'm grappling with: Transformers for scattering amplitudes in planar N=4 SYM  
- Interpretability - how can we extract useful knowledge from models?  
I've got my eyes on: ML for crazy flow models behave on highly structured data, Grokking, etc.  
- Transformers  
- Symbolic regression  
I want to know more about: Mechanistic interpretability (circuits, linear probing, etc)

UNIVERSITÄT ZÜRICH  
Fermilab

**Radha Mastandrea**  
My expertise is: Resonant anomaly detection, generative models  
A problem I'm grappling with: Generalizing ML models across different applications (e.g. detector setups, signal models)  
I've got my eyes on: Diffusion models for high-dimension inputs  
I want to know more about: Efficient ways to track uncertainties (from data and weights) in network training

Berkeley  
UNIVERSITÄT ZÜRICH  
SWISS NATIONAL SCIENCE FOUNDATION

**Sam Klein**  
My expertise is: Weak supervision  
A problem I'm grappling with: How to make searches more automatic  
I've got my eyes on: Active learning  
I want to know more about: Differentiable programming  
Different search strategies

UNIVERSITÄT ZÜRICH  
SWISS NATIONAL SCIENCE FOUNDATION

**Vitaliy Kinakh**  
My expertise is: Self-supervised learning, generative models  
A problem I'm grappling with: Efficient self-supervised and generative models  
I've got my eyes on: Self-supervised/semi-supervised/unsupervised representation learning, generative models  
I want to know more about: Efficient deep learning

UNIVERSITÉ DE GENÈVE  
SIP  
stochastic information processor

**Verena Kain**  
My expertise is: Controlling charged particle beams, optimal control, surrogate modeling, reinforcement learning  
A problem I'm grappling with: Continuous control with model-based algorithms, transformers for magnetic hysteresis prediction  
I've got my eyes on: Foundation models, LLMs for AI assistants in the control room  
I want to know more about: New ideas for anomaly detection, explainable AI, to build trust, how is AI used in other fields

UNIVERSITÄT ZÜRICH  
SWISS NATIONAL SCIENCE FOUNDATION

**Malte Algren**  
My expertise is: Optimal Transport and Generative models  
A problem I'm grappling with: FASTER and better ways to calculate the Wasserstein distance and compute the optimal transport  
I've got my eyes on: Diffusion Schrödinger Bridge  
I want to know more about: Faster inferences for diffusion  
- Optimal Transport

UNIVERSITÄT ZÜRICH  
ATLAS EXPERIMENT

**Jesse Thaler**  
My expertise is: Collider physics, jets and QCD, point cloud learning, topic modeling, optimal transport  
A problem I'm grappling with: Diffusion models for posterior sampling, uncertainty quantification  
I've got my eyes on: Multi-modal foundation models  
Uncertainty definitions (en route to quantification)  
I want to know more about: Fusing techniques from quantum field theory and machine learning to address outstanding questions in fundamental physics

UNIVERSITÄT ZÜRICH  
SWISS NATIONAL SCIENCE FOUNDATION

**Michael Elad**  
My expertise is: Bayesian approach towards inverse problems, Regularization theory, Generative models for signals and images, Deep learning  
A problem I'm grappling with: Diffusion models for posterior sampling, uncertainty quantification  
I've got my eyes on: Fast inference methods in diffusion models  
I want to know more about: Differentiable programming  
Data science and Machine Learning

UNIVERSITÄT ZÜRICH  
SWISS NATIONAL SCIENCE FOUNDATION

**Michael Bronstein**  
My expertise is: Graph neural networks, invariant & equivariant architectures, Geometric deep learning, Molecular modeling  
A problem I'm grappling with: Generative models for proteins and small molecules, Continuous models for GNNs  
I've got my eyes on: Neural diffusion equations for learning on graphs  
I want to know more about: Applications of Geometric ML in physics  
Physics approaches that could be useful in ML

UNIVERSITY OF OXFORD

**My name**  
My expertise is: ...  
A problem I'm grappling with: ...  
I've got my eyes on: ...  
I want to know more about: ...

**My name**  
My expertise is: ...  
A problem I'm grappling with: ...  
I've got my eyes on: ...  
I want to know more about: ...



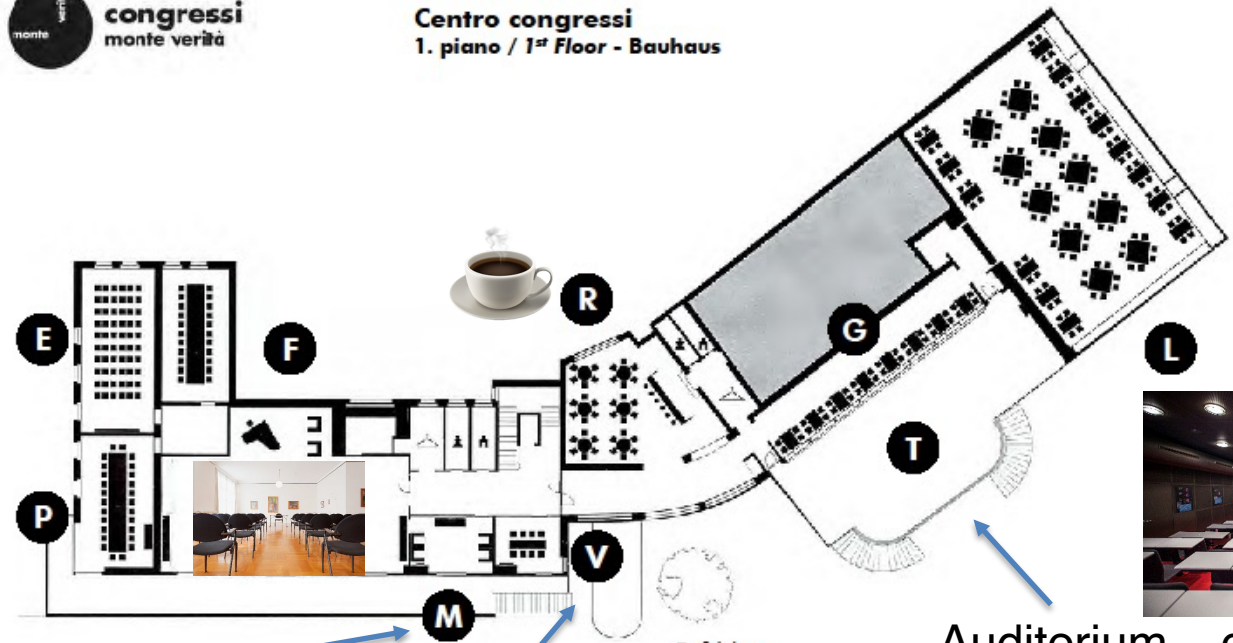
# The venue



The CSF is the meeting platform of the ETH Zürich on Monte Verità. It is named after the Federal Councillor Stefano Franscini, a native of Ticino, who in 1854, played an important part in establishing the first Federal Institute of Technology in Switzerland, the ETH Zürich.



Centro congressi  
1. piano / 1<sup>st</sup> Floor - Bauhaus



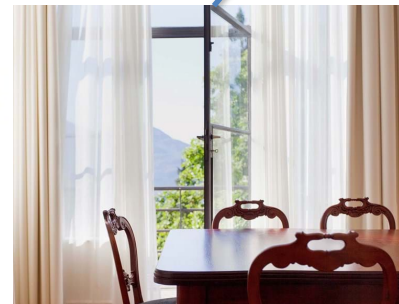
- Sala Balint
- Sala Piada
- Sala Eranos
- Sala Fahrenkamp
- Sala Mandala
- Sala Van der Heydt

- Sala Luce
- Galleria del Barone
- Spazio Roccia
- Terrazza panoramica  
Panoramic Terrace

Auditorium – ground floor



2 breakout rooms:



# At a glance

30 Oct 2023		31 Oct 2023		1 Nov 2023		2 Nov 2023		3 Nov 2023	
08:00	--- Breakfast ---	08:00	--- Breakfast ---	08:00	--- Breakfast ---	08:00	--- Breakfast ---	08:00	--- Breakfast ---
09:00	Introduction & welcome - <a href="#">Tobias Golling (Universite de Geneve (CH))</a> ()	09:00	<b>Invited speakers</b> (until 12:00) ()	09:00	<b>Young Scientist Forum</b> (until 10:00) ()	09:00	<b>Invited speakers</b> (until 12:30) ()	09:00	<b>Invited speakers</b> (until 12:00) ()
	<a href="#">Code of conduct</a> <a href="#">Insert Cards</a>	09:00	AI & material science - <a href="#">Kostya Novoselov</a> ()	09:00	How will AI enable autonomous particle accelerators? - <a href="#">Verena Kain (CERN)</a> ()	09:00	Machine learning for the LHC Simulation Chain - <a href="#">Ramon Winterhalder (UC Louvain)</a> ()	09:00	Open problems in generative models - <a href="#">Barnabas Poczos</a> ()
09:30	<b>Invited speakers</b> (until 12:15) ()	10:00	--- Coffee break ---	09:15	Turbo-Sim Framework - <a href="#">Slava Voloshinovskiy</a> ()	10:15	--- Coffee break ---	10:15	--- Coffee break ---
09:30	Highlights of machine learning in particle physics for computer scientists - <a href="#">Loukas Gouskos (CERN)</a> ()	10:30	From AI in material science to HEP and back - <a href="#">Andrey Ustyuzhanin</a> ()	09:30	Accelerating graph-based tracking with symbolic regression - <a href="#">Nathalie Soybelman (Weizmann Institute of Science (IL))</a> ()	10:45	Bigger data, shorter time: Real-time inference on specialised hardware for scientific discovery - <a href="#">Thea Aarrestad</a> ()	10:45	Generative Models - The Key to Manipulating Implicit Distribution for Bayesian Inference - <a href="#">Francois Lanusse</a> ()
10:30	--- Coffee break ---	11:15	Reduction and Closure of Dynamical Systems using Deep Learning - <a href="#">Qianxiao Li</a> ()	09:40	Masked particle modelling - <a href="#">Samuel Byrne Klein (Universite de Geneve (CH))</a> ()	12:00	Aspects of Deep Learning in Particle Flow - <a href="#">Etienne Dreyer (Weizmann Institute of Science (IL))</a> <a href="#">Eilam Gross</a> ()		
11:00	Interdisciplinary Machine Learning for Fundamental Physics - <a href="#">Mariel Pettee (Lawrence Berkeley National Lab. (US))</a> ()			09:50	Using transformers to calculate scattering amplitudes - <a href="#">Garret Merz</a> ()				
				10:00	--- Coffee break ---				
				10:20	<b>Invited speakers</b> (until 12:00) ()				
				10:20	The Vision of End-to-End ML models in HEP - <a href="#">Lukas Alexander Heinrich (Technische Universitat Munchen (DE))</a> ()				
				11:10	Toward Building Large HEP Models with Self-Supervised Learning - <a href="#">Michael Kagan (SLAC National Accelerator Laboratory (US))</a> ()				
12:15	--- Lunch break ---	12:00	--- Lunch ---	12:00	--- Lunch break ---	12:30	--- Lunch break ---	12:00	Conference synthesis - <a href="#">Kyle Cranmer</a> ()
14:00	<b>Invited speakers</b> (until 15:15) ()	13:30	<b>Invited speakers</b> (until 16:30) ()	13:30	<b>Industry-academia forum</b> (until 14:30) ()	14:00	--- Excursion & social dinner ---	13:00	--- Lunch break ---
14:00	Geometric Algebra Transformers: A Universal Architecture of Geometric Data - <a href="#">Taco Cohen</a> ()	13:30	Learning Image Representations Without Manual Annotations and Related Applications - <a href="#">Piotr Bojanowski</a> ()	13:30	Industry-academia panel - <a href="#">Michael Kagan (SLAC National Accelerator Laboratory (US))</a> <a href="#">Mariel Pettee (Lawrence Berkeley National Lab. (US))</a> <a href="#">Taco Cohen</a> <a href="#">Jennifer Ngadiuba</a> <a href="#">Jesse Thaler</a> ()			14:30	--- Organized follow-up discussions ---
15:15	--- Coffee break ---	14:45	--- Coffee break ---	14:30	<b>Invited speakers</b> (until 19:00) ()				
16:00	<b>Young Scientist Forum</b> (until 18:00) ()	15:15	Strong Lensing Data Analysis in the Era of Large Sky Surveys - <a href="#">Laurence Levasseur</a> ()	14:30	Normalizing flows, diffusion and annealing importance sampling - <a href="#">Alexander Matthews</a> ()	15:45	--- Coffee break ---		
		16:30	<b>Brainstorming</b> (until 19:00) ()	15:45	--- Coffee break ---	16:15	Calibrated uncertainty quantification in simulator-based inference - <a href="#">Ann Lee</a> ()		
		19:00	--- Dinner ---	17:30	Image Denoising - Not What You Think - <a href="#">Michael Elad</a> ()				
		20:30	<b>Invited speakers</b> (until 21:45) ()	19:00	--- Dinner ---	20:30	<b>Invited speakers</b> (until 21:45) ()		
		20:30	Foundation models for science - <a href="#">Shirley Ho</a> ()	20:30	Simulation-based inference and the places it takes us - <a href="#">Jakob Macke</a> ()				
20:00	<b>Invited speakers</b> (until 21:15) ()								
20:00	Physics-inspired learning on graphs - <a href="#">Michael Bronstein</a> ()								



Lightning talks of **7 min**



Optional:  
Network, new  
collaborations

Dinner



We strive to build an inclusive, welcoming environment. Harassment in any form will not be tolerated. We will abide by the [IRIS-HEP code of conduct](#):

The success of "Swiss Edition of Hammers & Nails 2023" depends on its ability to engage a community from collaborating institutions and disciplines with diverse skills, personalities and experiences.

We are outlining here a set of principles and processes to support and promote a healthy community and make "Swiss Edition of Hammers & Nails 2023" a welcoming and productive community.

- Foster an open, productive, harassment-free environment for everyone.
- Be welcoming and support people of all backgrounds and identities, immigration status, social and economic class, educational level, sex, sexual orientation, gender identity and expression, age, physical appearance, family status, technological choices, academic discipline, political views, religion, mental ability, and physical ability.
- Be considerate. Your work will be used by other people, and you in turn will depend on the work of others. Any decision you take will affect users and colleagues, and you should take those consequences into account when making decisions. Remember that we're a world-wide community. You may be communicating with someone with a different primary language or cultural background.
- Be respectful. Not all of us will agree all the time, but disagreement is no excuse for poor behavior or poor manners. We might all experience some frustration now and then, but we cannot allow that frustration to turn into a personal attack. It's important to remember that a community where people feel uncomfortable or threatened is not a productive one.
- Respect the work of others. We recognize the acknowledgment/citation requests of the original authors. As authors, we are explicit about how we want our own work to be cited or acknowledged.
- Be considerate in the words you choose. Be kind to others. Do not insult or put down other community members. Harassment and other exclusionary behavior are not acceptable.
- When we disagree, try to understand why. Disagreements, both social and technical, happen all the time and the Hammers & Nails community is no exception. Try to understand where others are coming from, as seeing a question from their viewpoint may help find a new path forward. And don't forget that it is human to err: blaming each other doesn't get us anywhere, while we can learn from mistakes to find better solutions.
- A simple apology can go a long way. It can often de-escalate a situation, and telling someone that you are sorry is an act of empathy that doesn't automatically imply an admission of guilt.

As a member of our community, you are also a steward of these values. Not all problems need to be resolved via formal processes, and often a quick, friendly but clear word on an online forum or in person can help resolve a misunderstanding and de-escalate things.

However, sometimes these informal processes may be inadequate: they fail to work, there is urgency or risk to someone, nobody is intervening publicly and you don't feel comfortable speaking in public, etc. For these or other reasons, structured follow-up may be necessary and here we provide the means for that (see Reporting section below).

This code of conduct applies equally to all community members in all Institute situations online and offline, including conferences, training events, mailing lists, forums, GitHub organizations, chat rooms, social media, social events associated with conferences and events, and one-to-one interactions.

"Swiss Edition of Hammers & Nails 2023" encourages education and training on diversity, inclusivity, reporting, and bystander intervention techniques.

### Discussing and/or Reporting Your Concerns

If you believe someone is violating the code of conduct or if you have specific concerns, please report this in a timely manner. Code of conduct violations reduce the value of the community for everyone and we take them seriously.

Complaints can be sent to any of the organizers of "Swiss Edition of Hammers & Nails 2023".

[Parts of this Code of Conduct was adapted from the Project JupyterHub's Code of Conduct (Some content on this page is licensed under a Creative Commons Attribution license) and from Princeton Institute for Computational Science & Engineering.]

# Code of conduct

Discuss

Share

Ask

Speak up

Collaborate

Push the envelope

Inspire

...

Enjoy



&



Discuss

Share

Ask

Speak up

Collaborate

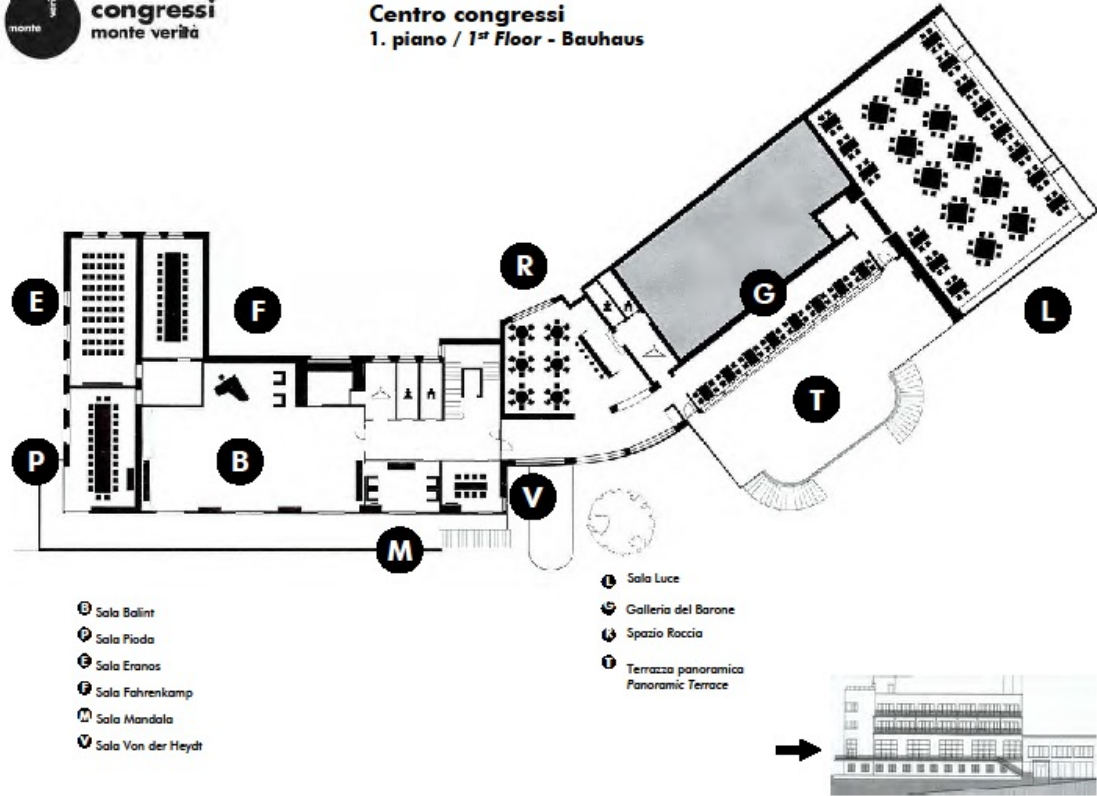
Push the envelope

Inspire

...

Enjoy

# Backup



# The localities

Auditorium



Balint

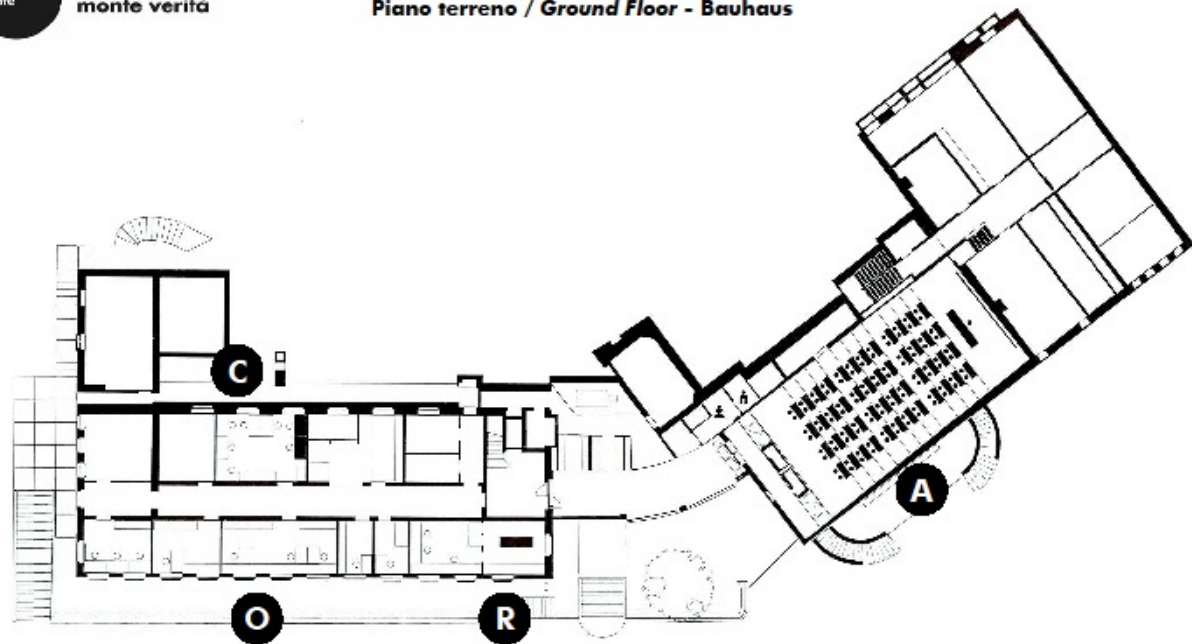


Mandala

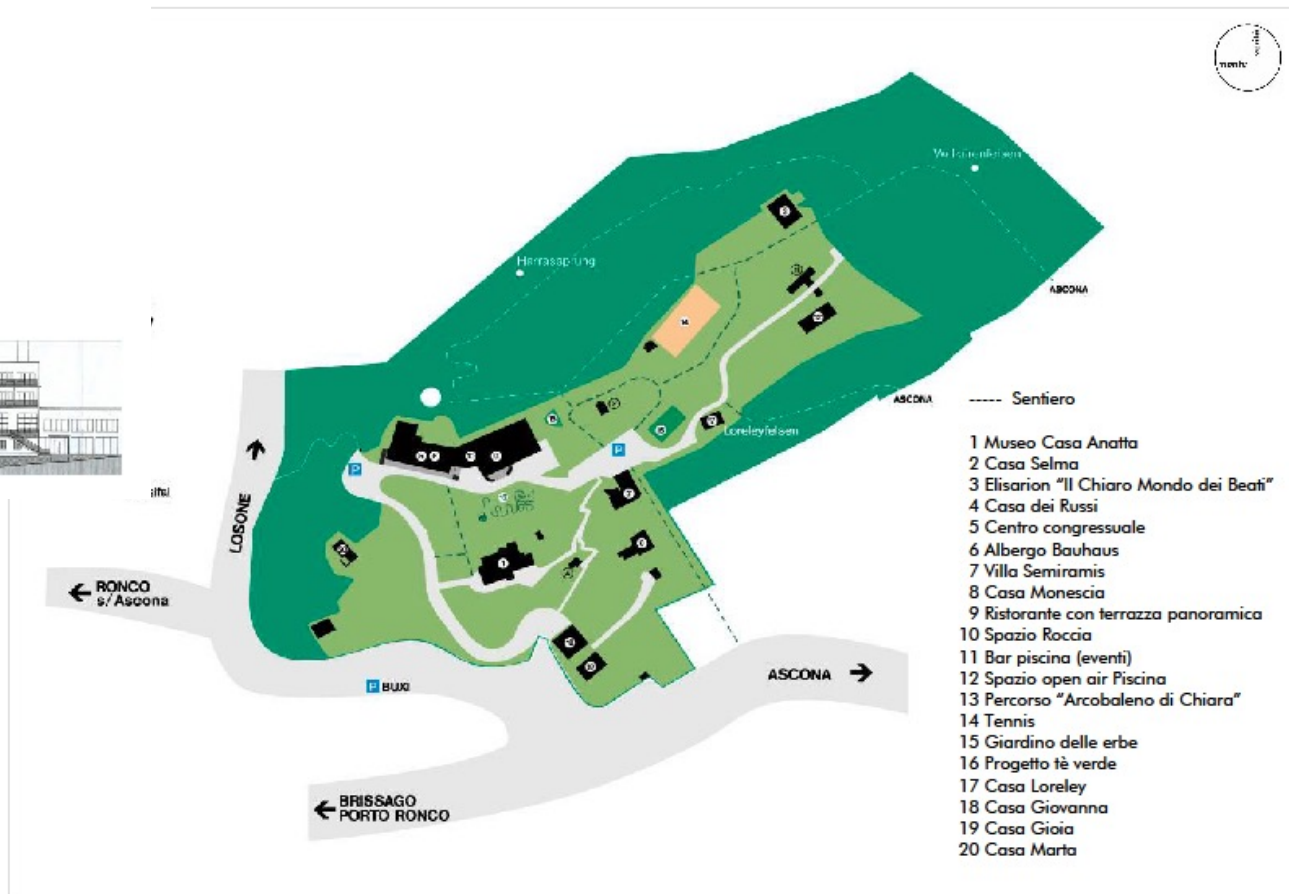


Van Der Heydt





- A Auditorium
- C Computer-Room
- O Ufficio congressi / Conference Office
- R Ricezione / Reception



- 1 Museo Casa Anatta
- 2 Casa Selma
- 3 Elisarion "Il Chiaro Mondo dei Beati"
- 4 Casa dei Russi
- 5 Centro congressuale
- 6 Albergo Bauhaus
- 7 Villa Semiramis
- 8 Casa Monescia
- 9 Ristorante con terrazza panoramica
- 10 Spazio Roccia
- 11 Bar piscina (eventi)
- 12 Spazio open air Piscina
- 13 Percorso "Arcobaleno di Chiara"
- 14 Tennis
- 15 Giardino delle erbe
- 16 Progetto tè verde
- 17 Casa Loreley
- 18 Casa Giovanna
- 19 Casa Gioia
- 20 Casa Marta