

# RETREAT May 5th – May 7th, 2023



Hotel AMMERHAUSER, 5102 Anthering, Dorfstrasse 1

Tel: +43 6223 2204, [www.ammerhauser.at](http://www.ammerhauser.at)

Claude Amsler: PDG (next edition & meson section);  
“The Review of Particle Physics”

Johannes Henn: What can we learn from super-Yang-Mills theories for collider physics

Christoph Lehner: Machine learning in lattice QCD;  
Lattice QCD vs. experimental low-energy results and  
hadronic contributions to the muon  $g-2$



## **FRIDAY, MAY 5, 2023**

Train from Vienna Hbf, e.g. 9:21 to Salzburg Hbf, then local S-Bahn, dep. every half hour (train S1, direction 'Lamprechtshausen', 15 mins) to Anthering Bhf, then ca. 10-15 min walk to hotel

12:30 – 13:30	Lunch
14:00 – 14:30	Welcome / Student introduction
14:30 – 15:30	Lecture Johannes Henn 1
15:30 – 16:00	Q&A Johannes Henn
16:00 – 16:30	Coffee break
16:30 – 17:30	Lecture Claude Amsler 1
17:30 – 18:00	Q&A Claude Amsler
18:00 – 19:00	Dinner

## **SATURDAY, MAY 6, 2023**

09:00 – 12:30	Free time for collaboration work or sightseeing
12:30 – 13:30	Lunch
14:00 – 15:00	Lecture Christoph Lehner 1
15:00 – 15:30	Q&A Christoph Lehner
15:30 – 16:00	Coffee break
16:00 – 17:00	Lecture Johannes Henn 2
17:00 – 17:30	Q&A Johannes Henn
17:30 – 18:30	Lecture Claude Amsler 2
18:30 – 19:00	Q&A Claude Amsler
19:00 – 20:00	Dinner

## **SUNDAY, MAY 7, 2023**

09:00 – 10:00	Lecture Christoph Lehner 2
10:00 – 10:30	Q&A Christoph Lehner
10:30 – 11:00	Coffee break
11:00 – 12:00	Panel discussion Amsler / Lehner
12:00 – 13:00	Lunch
Departure home	Local train from Anthering to Salzburg Hbf. at 13:30; Trains from Salzburg to Vienna Westbhf. dep. 13:52 or to Vienna Hbf. dep. 14:07 or later journey