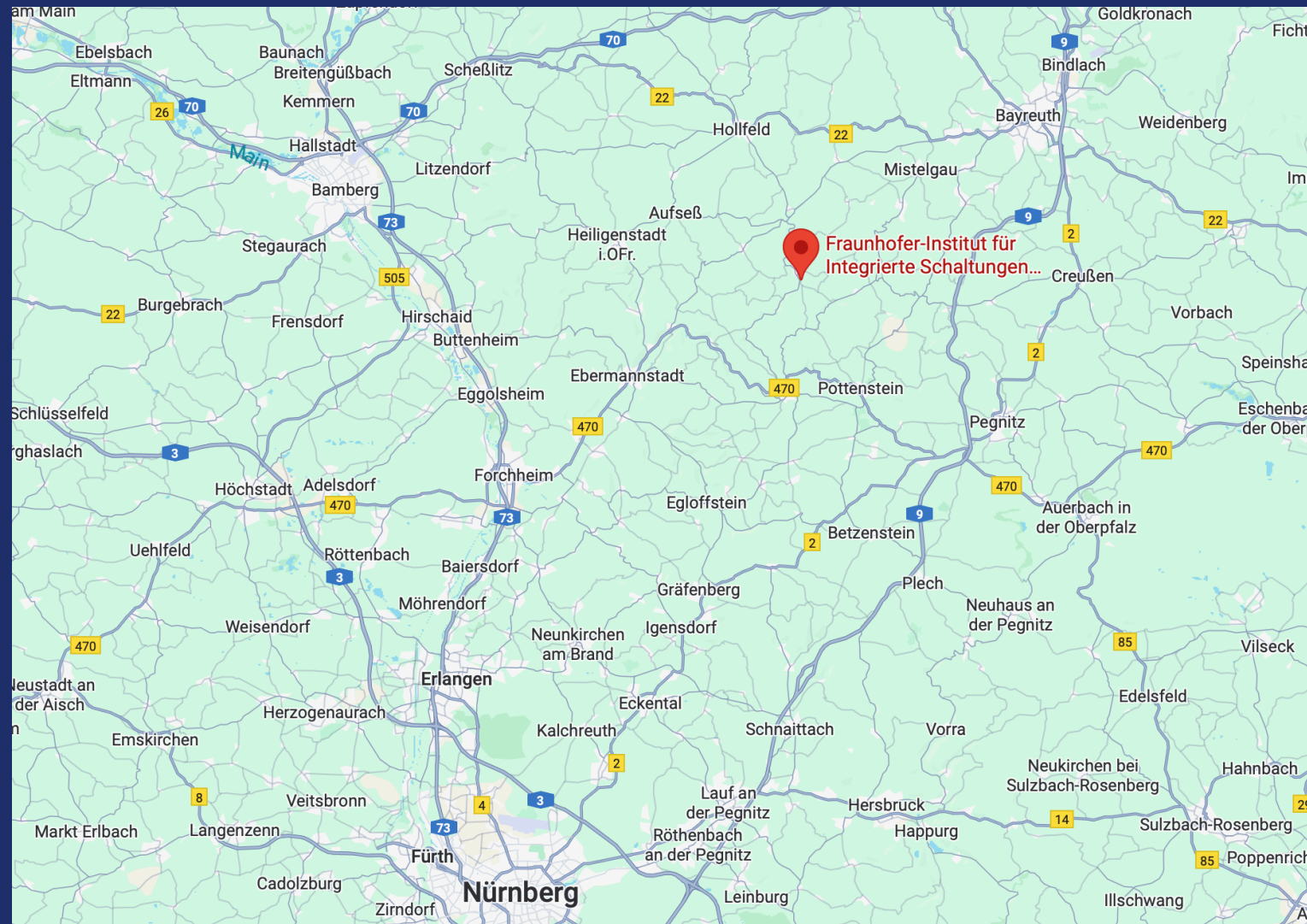


Welcome to the School for Astroparticle Physics

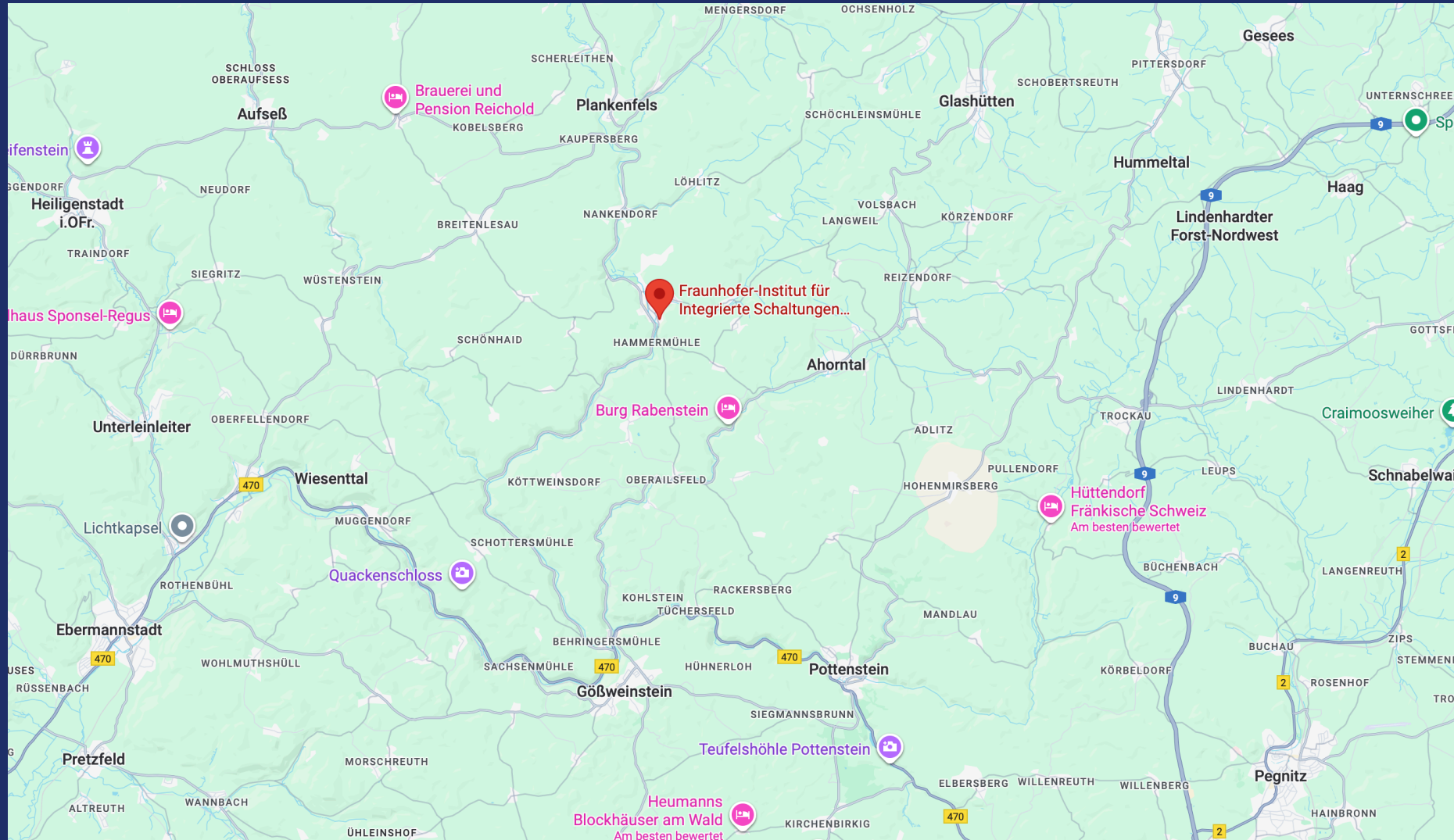


Waischenfeld
September 2025

Waischenfeld



Waischenfeld





Waischenfeld Castle

Article

Talk

Read

Edit

View history

Tools

From Wikipedia, the free encyclopedia

Coordinates:  49°50′42″N 11°20′34″E﻿ / ﻿

Waischenfeld Castle (**German:** *Burgruine Waischenfeld*) is a **ruined rock castle** on a rocky plateau a few metres west of the town of **Waischenfeld** in the province of **Upper Franconia** in the German state of **Bavaria**.

History [edit]



Waischenfeld Castle, pencil drawing (c. 1830) by **Domenico Quaglio the Younger**

The first clues to a castle in the village of Waischenfeld date to 1079, when *Wirint von Waischenfeld* was mentioned in the records as a member of an important noble family in the area of the middle **Wiesent**. The Waischenfelds were related to the dynastic family of the lords of **Aufseß**.^[1]

The **hill castle** was first recorded in 1122

Waischenfeld Castle

Waischenfeld



Fortified tower of *Steinerne Beutel* and Waischenfeld Castle

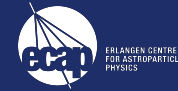
Site information

Type	hill castle, rock castle
Code	DE-BY
Condition	ruin

Location



Forschungscampus Waischenfeld



Fraunhofer
IIS





Arndthöhe

Nausea-Platz

Harletzsteiner

Str.

H

Sutte

Kaulberg

Markt-platz

Vorstadt

Zeubacher

Schloßberg

Dooser

Am Buchberg

Promenaden-/
Skulpturenweg

Fraunhofer-
Forschungs-
campus

Fraunhofer-
Platz

SeniVita
Seniorenhaus
St. Anna

Kinder-
tages-
stätte

Wagner-

felsen

Schäfer-
steinhöhle
ND.

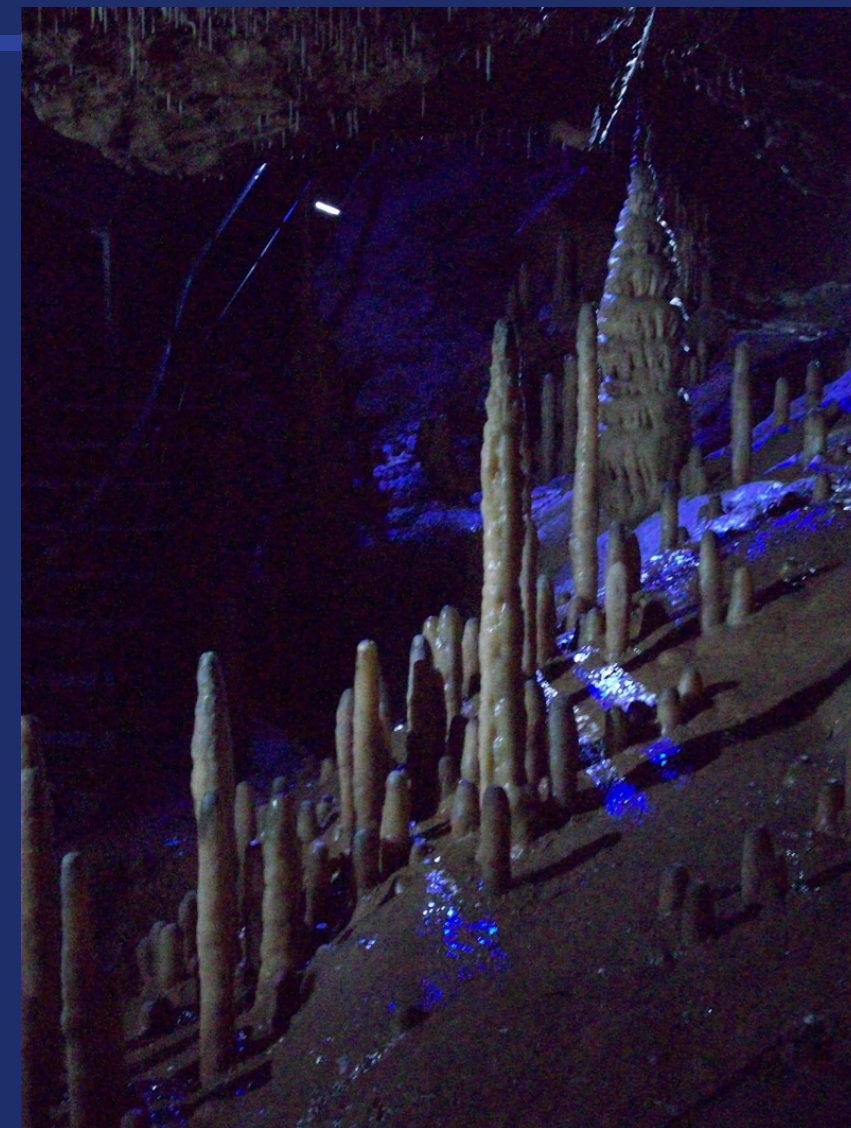
Str.

Vorstadt

Wiesent



Hiking



Do
04.09.

Fr
05.09.

Sa
06.09.

So
07.09.

Mo
08.09.

Di
09.09.

Mi
10.09.

Do
11.09.

Wetter



Sonne

3 h

1 h

8 h

12 h

3 h

5 h

4 h

7 h

Temperatur

25°

23°

24°

23°

21°

21°

22°

18°

15°

13°

12°

11°

10°

8°

15°

13°

until 8:55	Breakfast
10:45	Coffee, Tea, ...
13:00	Lunch
after lunch:	Break
15:00	Coffee & Cake
19:00	Dinner

Meals and (alcohol-free) drinks are included in the school fee

Schedule

Overview



	Thu 4-Sep	Fr 05/Sep	Sat 6-Sep	Sun 07/Sep	Mon 8-Sep	Tue 09/Sep	Wed 10-Sep	Thu 11/Sep	Fr 12-Sep	
9:00:00 - 10:45:00	Arrival	CR acceleration (Stefano Gabici)	Stefano Gabici (confirmed slot)	Proposal writing mini workshop	Free / Hike / Fun	High energy neutrinos (Anna Franckowiak)	High energy neutrinos (Anna Franckowiak)	Graphics design for physicists (Karen Terveer)	Participant talks	
10:45 - 11:15		Coffee break				Coffee break				
11:15:00 - 13:00:00		Gravitational Waves (Frank Ohme)	Frank Ohme (confirmed slot)	Proposal writing mini workshop		High energy neutrinos (Anna Franckowiak)	Gamma ray astronomy (Sylvia Zhu)	Participant talks	Participant talks	
13:00:00 - 16:00:00		Lunch & Coffee				Lunch & Coffee				
16:00:00										Opening 15:00
16:00:00 - 17:30:00	Detector and ML methods (Jonas Glombitza)	Detector and ML methods (Jonas Glombitza)	Neutron stars and hyperon puzzle (Laura Fabbietti)i	Gravitational Waves (Frank Ohme)		Participant talks	Proposal writing mini workshop	Cosmology with Euclid (Jochen Weller)	Departure	
	Short Break					Short Break				
17:45:00 - 19:00:00	Detector and ML methods (Jonas Glombitza)	Participant talks	Participant talks	CR acceleration (Stefano Gabici)		Indirect dark matter (Tim Linden)	Participant talks	Participant talks		
19:00:00 - 20:15:00	Dinner					Dinner				
20:15:00 - 21:15:00	Welcome evening	Astrophotography 101 (Martin Rongen)				Research Funding in Germany and Europe (Marc Hempel)		Feedback evening		

Participant Talks

Overview



Fri 05/09

17:00

18:00	Combined Sensitivity of JUNO and Super-K on the Black-Hole Fraction		Tim Charissé
	Waischenfeld		17:45 - 18:05
	Prospects for solar neutrino direct detection via electronic excitations with the OSINuDES project		Elisa Gaido 
	Waischenfeld		18:05 - 18:25
	Alpha-beta-classification in OSIRIS with Machine Learning		Elisabeth Neuerburg 
	Waischenfeld		18:25 - 18:45

Sat 06/09

17:00

18:00	Determining the pointing direction of the H.E.S.S. telescopes through star projections	Daniel Cecchin Mornesso	
	Waischenfeld	17:45 - 18:05	
	Construction of FAST telescopes	Petr Bořil	
	Waischenfeld	18:05 - 18:25	
	FACT - Follow-up of Multi-Wavelength and Multi-Messenger Alerts	Marcel Vorbrugg	
	Waischenfeld	18:25 - 18:45	
	Bayesian approach to signal estimation in gamma-ray astronomy with Gammapy	Matheus Genaro Dantas Xavier	
	Waischenfeld	18:45 - 19:00	

19:00

Tue 09/09

16:00	Bayesian Hierarchical Modeling of Neutrino Source Populations		Sophie Roux	
	Waischenfeld		16:00 - 16:20	
	Particle acceleration around supermassive black holes without jets		Elena Shablovinskaja	
	Waischenfeld		16:20 - 16:40	
17:00	Impact of Turbulence in the Interstellar Medium on Earth-space VLBI observations of Sagittarius A*		Aditya Tamar	
	Waischenfeld		16:40 - 17:00	
	Neutrino Event Generator Studies with NEUT		Frederik Andersen	
	Waischenfeld		17:00 - 17:20	

17:00

Wed 10/09

17:00

18:00	Intensity Interferometry With Fresnel Lens Telescopes		Christopher Ingenhüß
	Waischenfeld		17:45 - 18:05
	Production of Boron in supernova remnants		Qiqi Jiang
	Waischenfeld		18:05 - 18:25
	Validation and characterization of BETA-16 and BETA-64 SIPM readout ASICs for space missions		
	Benjamin Nobre Hauptmann		
	Axion searches in neutron star magnetospheres		Merle Gizinski
	Waischenfeld		18:45 - 19:00

19:00

Thu 11/09

11:00

12:00	Temporal Effect of the Galactic Magnetic Field on the Ultra-high-energy Cosmic Rays	Veronika Vašičková	
	Waischenfeld	11:15 - 11:35	
	Study of Cosmic Ray Anisotropy with Kascade and IceTop	Joshua Turnwald	
	Waischenfeld	11:35 - 11:55	
	The Radio Galaxies Fornax A and PKS 0625-354 in VHE Gamma Rays	Julia Scarpin	
	Waischenfeld	11:55 - 12:15	
	Absolute energy calibration of the Fluorescence Telescopes at the Pierre Auger Observatory with a roving laser system		
	Rukije Uzeiroska-Geyik		

12:00

18:00	Light curves of relativistic jets with a synchrotron self compton model		Andre Neubauer
	Waischenfeld		17:45 - 18:05
	Blazars as Potential Sources of High-Energy Cosmic Neutrinos: The Case of IceCube- 201130A		Georgios Kalaitzidakis
	Waischenfeld		18:05 - 18:25
	Timing and Spectral Signatures of X-ray Variability in TeV Blazar Mrk 421: Insights from NICER. SANGEETHA KIZHAKKEKALAM		

18:00

Fri 12/09

09:00

09:00	Improving KM3NeT Event Reconstructions and Simulations using Generative Neural Networks		<i>Lukas Hennig</i>
	<i>Waischenfeld</i>		09:00 - 09:20
	Tau Neutrinos in IceCube		<i>Christopher Eldridge</i> 
	<i>Waischenfeld</i>		09:20 - 09:40
10:00	IceAct: Imaging Air Cherenkov Telescopes above the IceCube Neutrino Observatory		<i>Lars Heuermann</i> 
	<i>Waischenfeld</i>		09:40 - 10:00
	Improving tau neutrino reconstruction and identification with the IceCube Upgrade		<i>Despina Mousadi</i>
	<i>Waischenfeld</i>		10:00 - 10:20

10:00

-
- your talk (→ see schedule [Indico])
 - 20 minute slots, around 15 minutes of talk time max, then questions
 - time alert
 - sessions will be chaired by participants
 - we are looking for volunteers!

-
- Please attend all lectures and talks
 - Please don't open your computer in the lecture room

Further information...

- Name badges – please wear them!
- Confirmation of participation
- Group photo
- Data sharing consent form
- Evaluation



- Access to the internet - eduroam
- Hiking – hiking maps available
- Monday - free day, we'll organize groups
- Board games, playing cards...

- Survey open (anonymous) on Indico for general complaints, suggestions, questions, ...



-
- This is a school!
 - Please ask questions!
 - Ask questions
 - during lectures,
 - during breaks,
 - at lunch
 - at dinner....

- **Have fun!**