

# Welcome to Zürich!

## 6<sup>th</sup> Beam Telescopes and Test Beams Workshop 16<sup>th</sup> – 19<sup>th</sup> January 2018 Zurich

→ <https://indico.desy.de/event/bttb6>

Registration Deadline: 8-12-2017

Abstract Submission Deadline: 12-11-2017

### Topics

Beam lines & infrastructure  
Simulations & software packages  
Test beam data analysis for tracking detectors,  
calorimeters, timing detectors

### Local Organizing Committee

Malte Backhaus (ETHZ), Christopher Betancourt (UZH),  
Simon Corradi (ETHZ), Maren Meinhard (ETHZ),  
Davide Reggiani (PSI), Michael Reichmann (ETHZ)

### International Organization Committee

Jan Dreyling-Eschweiler (DESY), Hendrik Jansen (DESY),  
Joern Lange (FAE), Clara Nellist (Uni Göttingen), Simon Spannagel (CERN)

ETH zürich

PAUL SCHERRER INSTITUT  
PSI

University of  
Zurich



6th Beam Telescopes and Test Beams Workshop

# Zürich



- Largest city in Switzerland
- Around 400'000 inhabitants
- Spoken language: "*Schwyzerdütsch*" aka Swiss German

**Find out more during our city tour!**

# Zürich

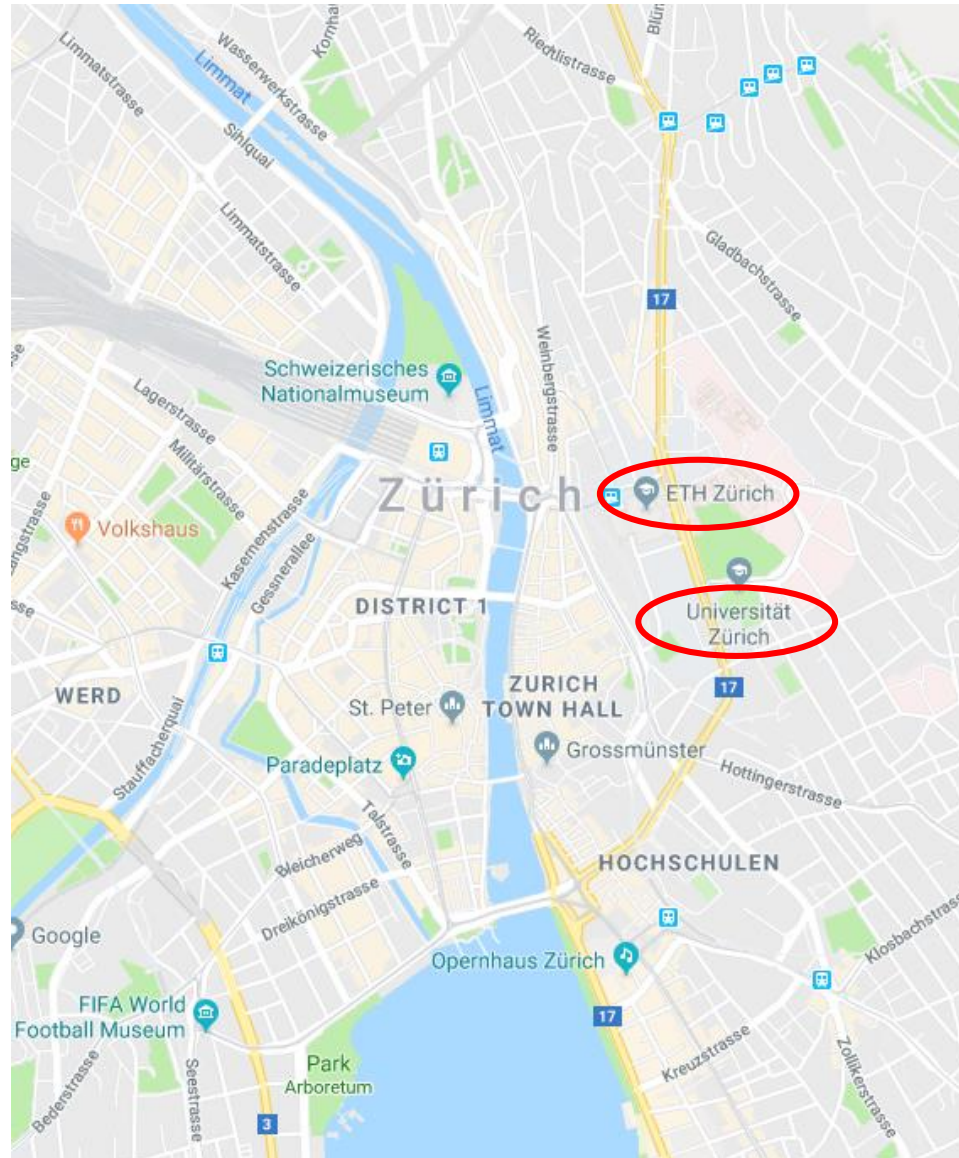


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[Grüezi \[ˈɡryɛtsi\]](#)

# Where are we?



# ETH Zürich



ETH Zürich:  
Swiss Federal Institute  
of Technology in Zurich

Founded in 1854

Located in the city center  
of Zürich in Switzerland

Most famous ETH  
alumni: Albert Einstein  
(Diploma in 1900,  
professor from 1912-  
1914)



# Workshop co-organized by ETH, UniZH and PSI



**University of  
Zurich**<sup>UZH</sup>

- Founded in 1833
- Located in the city center of Zürich (main building right next to ETH)
- Faculties of Natural Sciences, Mathematics, Medicine, Economic Sciences, Law and Theology

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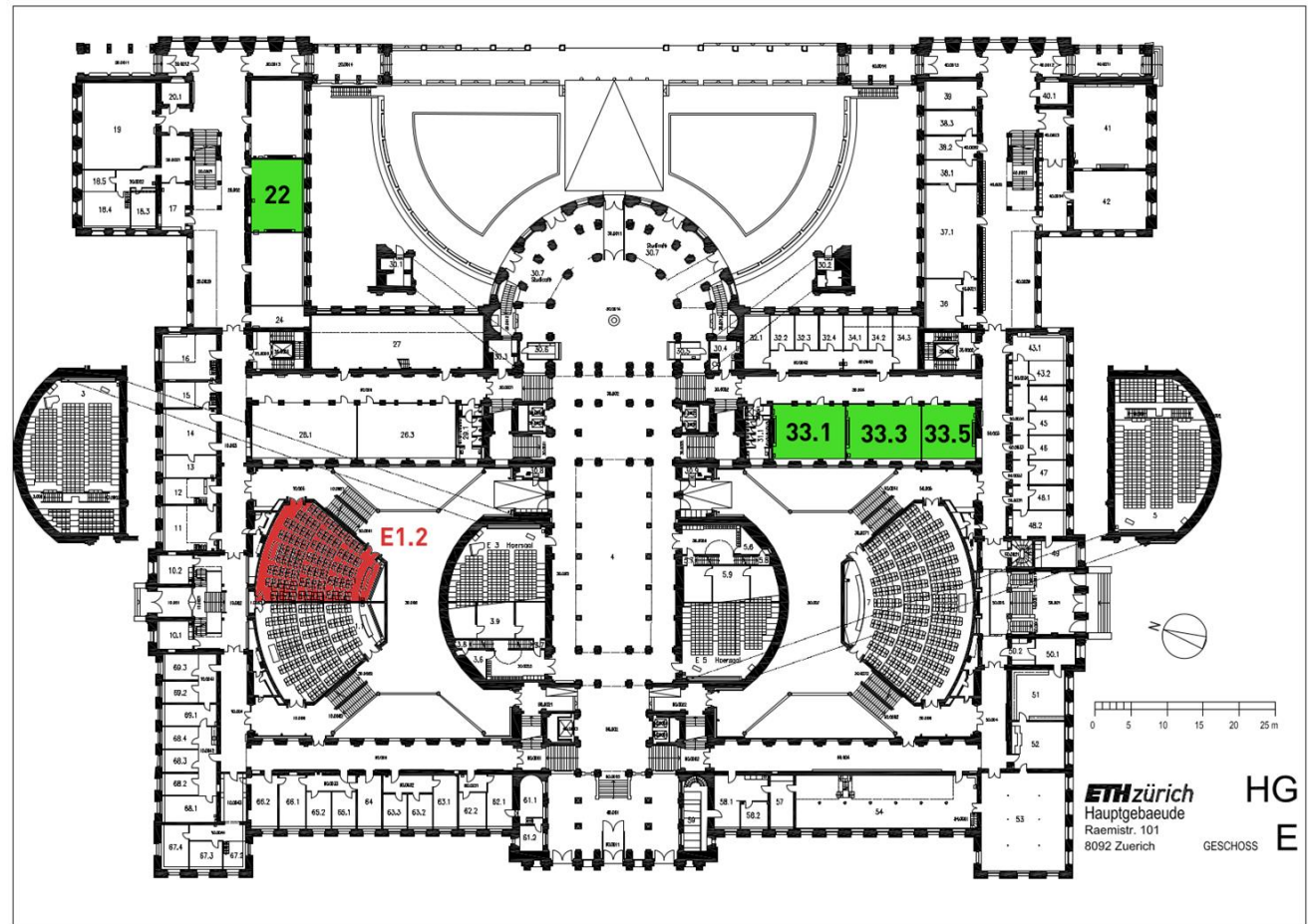


- Research institute located 40 km north of Zürich
- Founded in 1988
- Focus on natural sciences and technology
- Operates several particle accelerators and beam lines
- SwissFEL: X-ray free electron laser

# Available rooms - ETH Main Building (HG)

Lectures,  
presentations:  
E1.2

Tutorials:  
E22  
E33.1  
E33.3  
E33.5



# WiFi

- Connect to public-5 or public network

Username: BTTB6-Zurich

Password: beamtelescopes2017

- Good eduroam coverage at ETH



# Overview

Workshop consists of:

- Overview lectures (Today afternoon)
- Tutorials (Thursday afternoon)
- Presentations (Tuesday - Friday)
- Social activities (Today, Thursday)

Agenda available at:

<http://indico.desy.de/indico/event/bttb6/>

# Overview lectures

**Today 13:00 - 16:30**

*Data acquisition for continuous readout and triggered experiments*

Giovanna LEHMANN MIOTTO

*Overview on Timing Detectors*

Eraldo OLIVERI

*Challenges of testbeam facilities for HL-LHC/CLIC/ILC calorimetry*

David BARNEY

*Monolithic Silicon Pixel Detectors in HEP*

Petra RIEDLER

# Tutorials

**Thursday 13:00 - 14:45 and 15:15 - 17:00**

*Making the most of your 10 minutes of fame*

David BARNEY

*The Proteus Reconstruction Software*

Moritz KIEHN

*Measurement of time of arrival*

Nicola MINAFRA

*Scattering Images using EUTelescope*

Michaela QUEITSCH-MAITLAND

*The MIDAS data acquisition system for Test Beams*

Stefan RITT

*The Allpix Squared Simulation Framework*

Simon SPANNAGEL

# Lunches I

Lunches on Wednesday and Thursday are covered

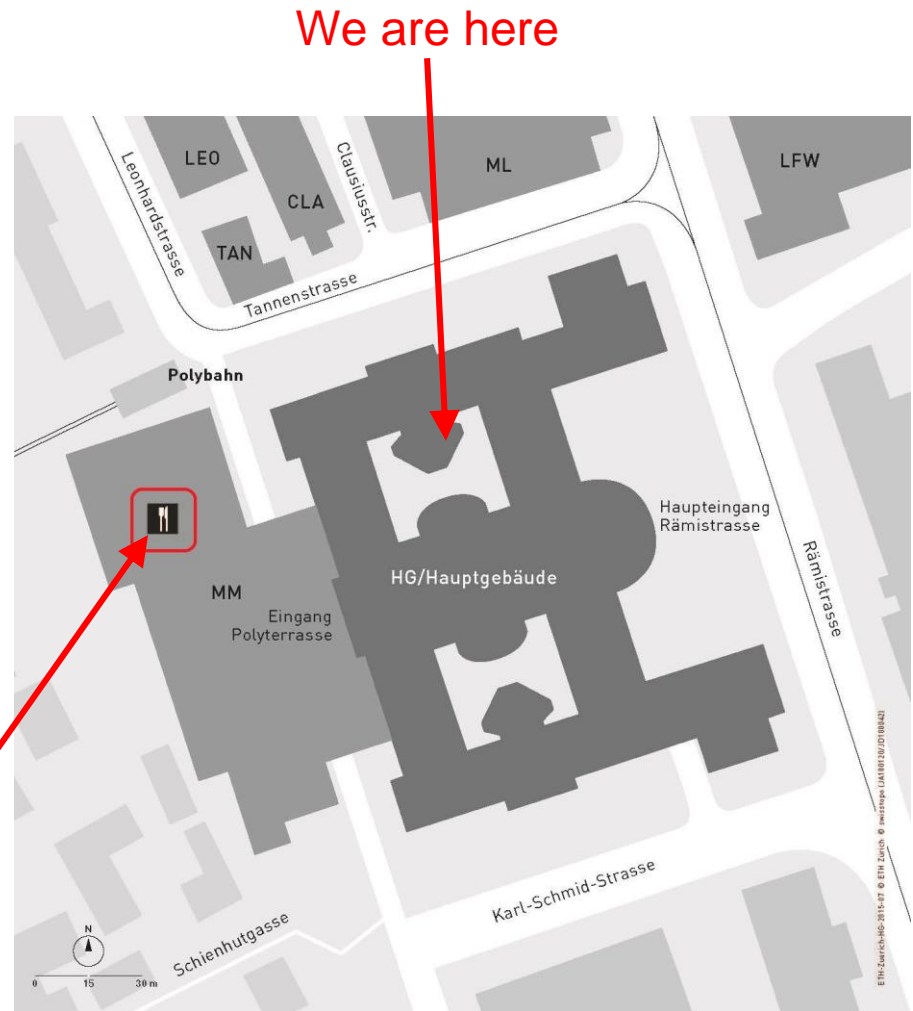
Take place in the “Mensa Polyterrasse” (in this building), tables are reserved for us

Slightly difficult to find, follow signs “Mensa” or the locals :)

Hand in voucher in your registration package at the cashier

Voucher is valid for menus “Home” or “Garden”, and a 0.5L drink

Lunch



# Lunches II

Lunch options:

## Wednesday

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Vegan Day  
sliced lupines  
"Thai style"  
with basmati rice

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Lumaconi pasta  
with tomato and chorizo  
(spicy sausage) sauce  
served with grated  
cheese and the salad of  
the day

## Thursday

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Spiced white-  
bread dumplings  
with mushroom  
cream sauce  
served with veg-  
etable sticks and  
fresh herbs

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Ticino roast pork  
with a bacon  
crust,  
tomato sugo  
polenta  
and almond  
broccoli

# Welcome reception: “Apero”



Stadt Zürich

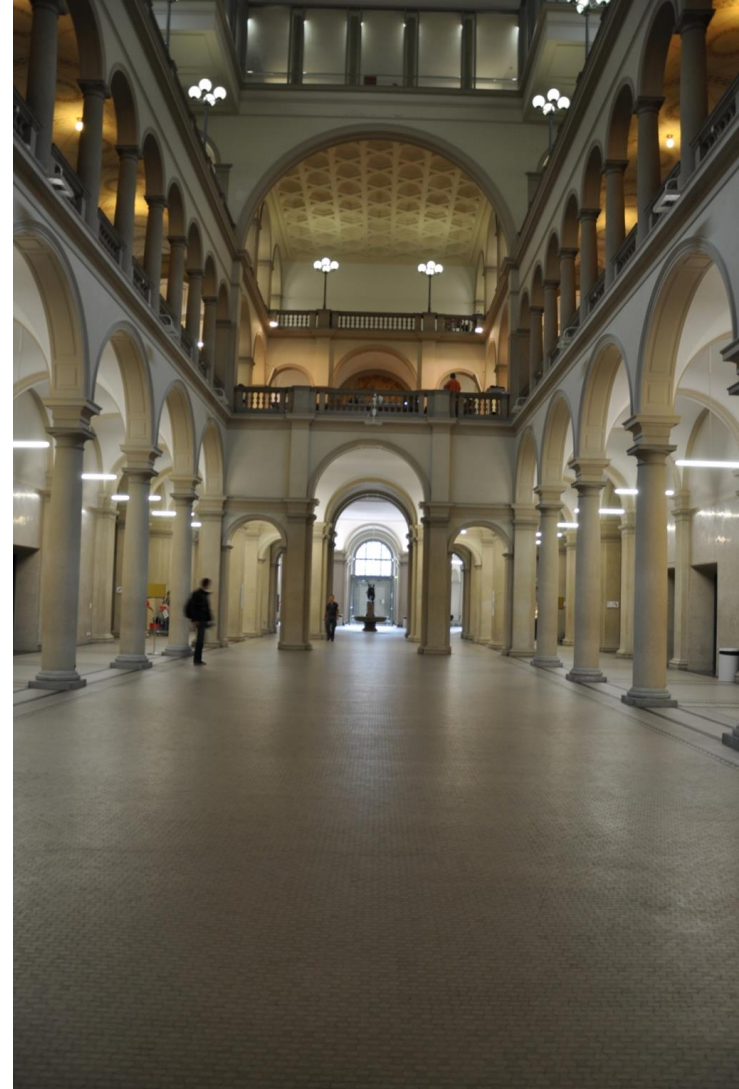


**Today at 19:00**

In the main hall of  
ETH Hauptgebäude

Offered by:

- Kanton and City of Zurich
- Institute for Particle Physics and Astrophysics (IPA)



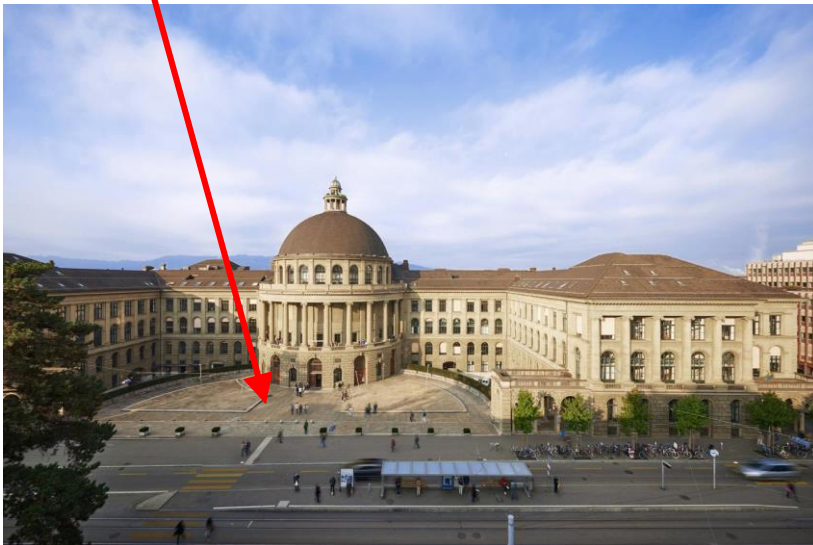
# Social event: Zürich city tour

Thursday at 17:30

Walking tour, lasts 2 hours

Meeting point: in front of ETH main building

Meeting point



# Workshop Dinner: Fondue at Altes Klösterli

**Thursday at 20:30**

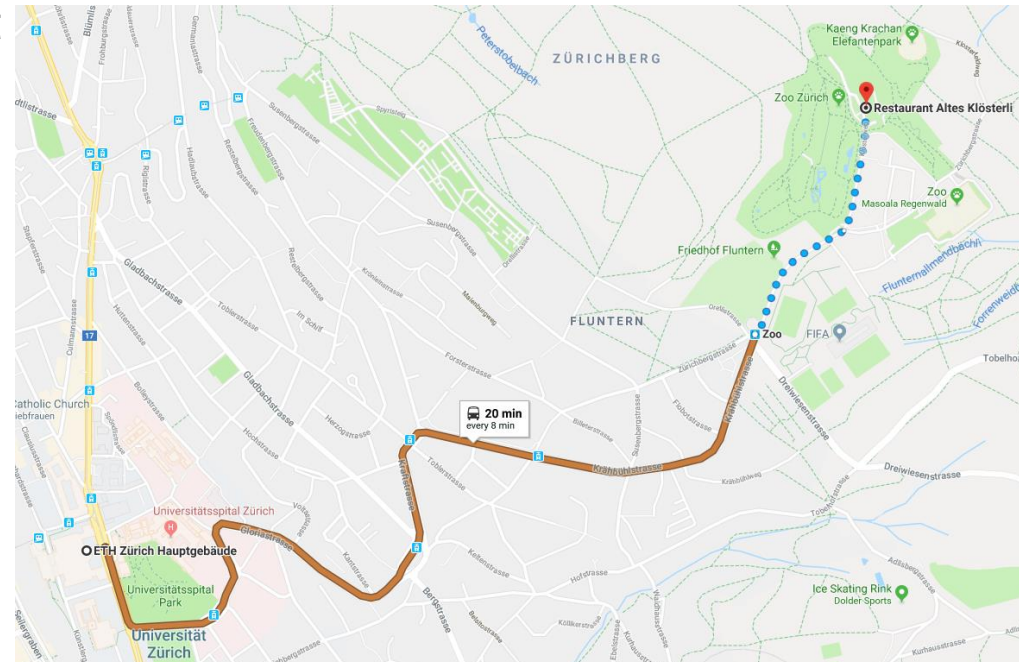
Meeting point: at the restaurant  
Klosterweg 36, 8044 Zürich



One local will accompany each of the city tour groups and lead you to the restaurant (by tram)

Options:

- Walking (~45 minutes, steep)
  - Tram ride (N. 6 from ETH/Universitätsspital to Zoo) + ~10 min walk
- Make sure to get a ticket!





# Thank you!

- IPA administration
  - Gabriela AMSTUTZ
  - Caroline KEUFER-PLATZ
  - Bettina LAREIDA
  
- Zürich Tourism & IPA for the welcome reception
  
- BTTB International Advisory Committee