

# Welcome to the Terascale Monte Carlo School 2017!

## Monte Carlo School 2017

13-17 March 2017

DESY, Hamburg

### Lectures:

- Introduction (QCD, soft and collinear splitting, parton showers, Monte Carlo techniques, hadronisation, underlying events)
- Resummation
- Theory uncertainties
- NLO and higher-order calculations
- Matching parton showers to fixed order calculations
- Monte Carlo tuning and validation
- Parton distribution functions in simulations

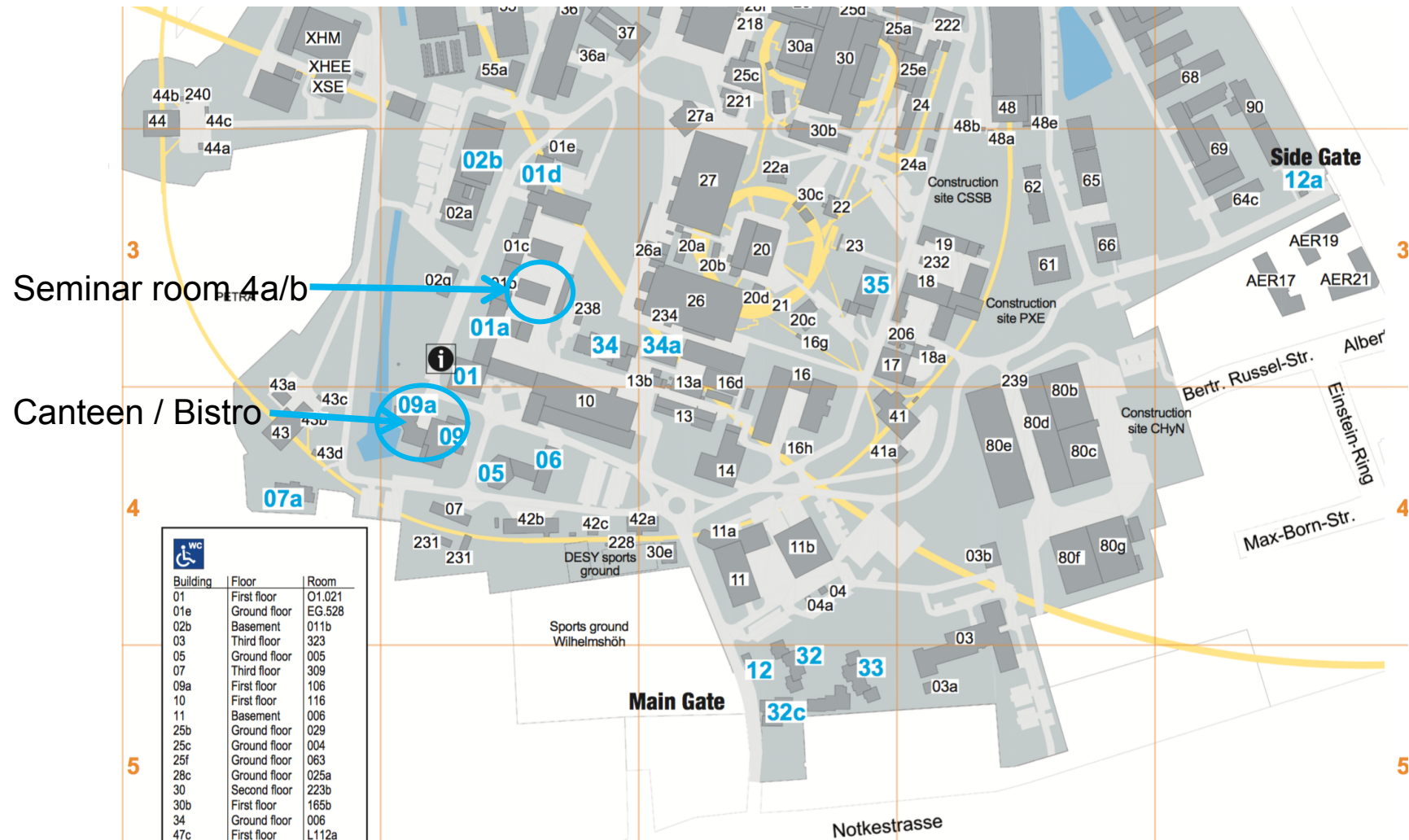
### Tutorial:

We will build a fully functioning NLO code for the Drell-Yan process and study the anatomy of the NLO calculations on this example.

Registration fee: 50 Euro  
Registration deadline: 25 February 2017

[www.terascale.de/mc2017](http://www.terascale.de/mc2017)

# Where to go



# Internet

We set up a special WLAN for the school, please use this one:

- > Name: Terascale\_MC
- > WPA/WPA2-PSK: koh7Xush9uge

... or, if you have an account, you might also use eduroam.

