Precision calculations for future e+ecolliders: targets and tools

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Welcome to the workshop

- The goal of the workshop is to identify clear theoretical and computational targets for high-precision predictions of relevance to the programme of future e+e- colliders
 - Week 1 (this week): focuses on the key physics questions and observables that demand a theory input
 - Week 2 (next week): focuses on modern advancements in multi-loop calculations and future applications to match the precision goals
 - Beyond the workshop: the programme is not comprehensive, and does not cover other important topics such as Monte Carlo generators and jet physics. These are left for future dedicated events

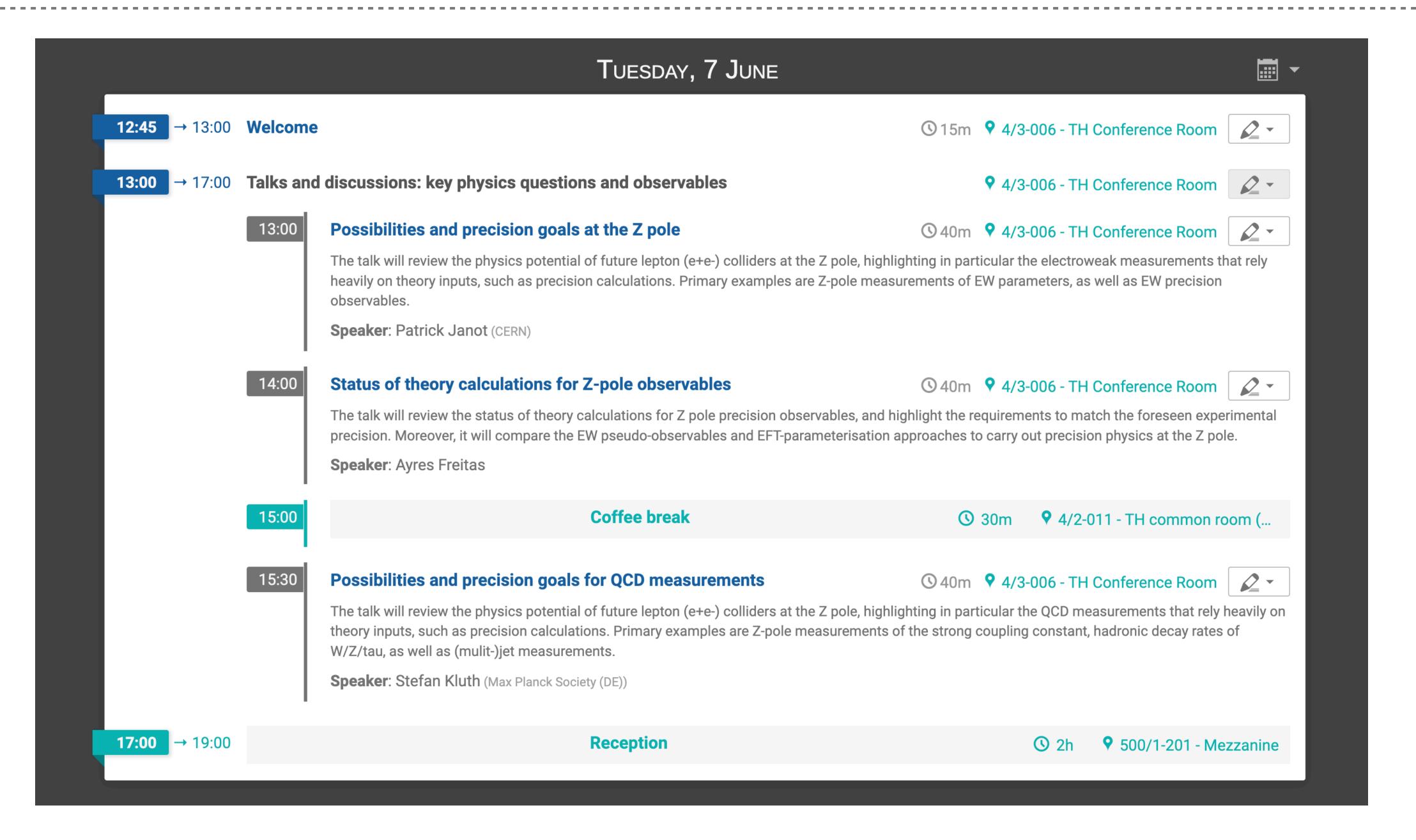
Welcome to the workshop

- Your input and interactions between participants are essential to optimally identify the theoretical and computational targets and ensure a smooth interface with the field of precision calculations
- The outcome of the first week of the workshop will be collected into a brief digest
 - This serves as input for the discussions on perturbative techniques during week 2
 - The resulting document might be posted on arXiv for future reference

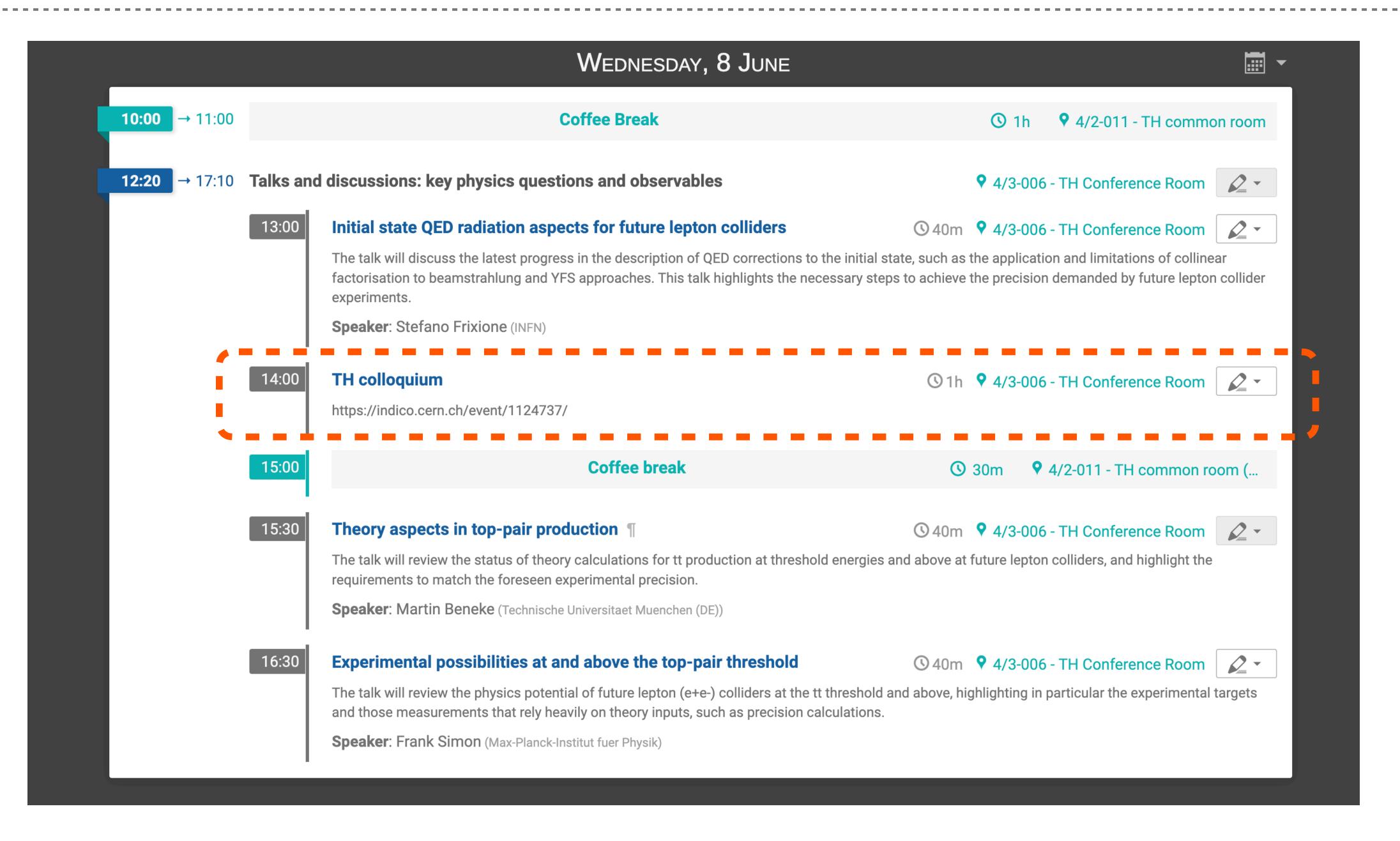
Some logistics

- The programme consists of 3-4 talks a day: 40 mins + 20 mins for discussions
- The mornings are left free and can be used for spontaneous discussions and collaboration work
- Coffee is served every day at 10am and 3pm (2pm on Friday) in the TH common room (4/2-011)
- A small reception will be served at 5pm at the beginning of each week (i.e. today and on Monday June 13) by the CERN main auditorium (Mezzanine 500/1-201)
- For any questions or requests, please contact us at fcee-wshop-pc@cern.ch

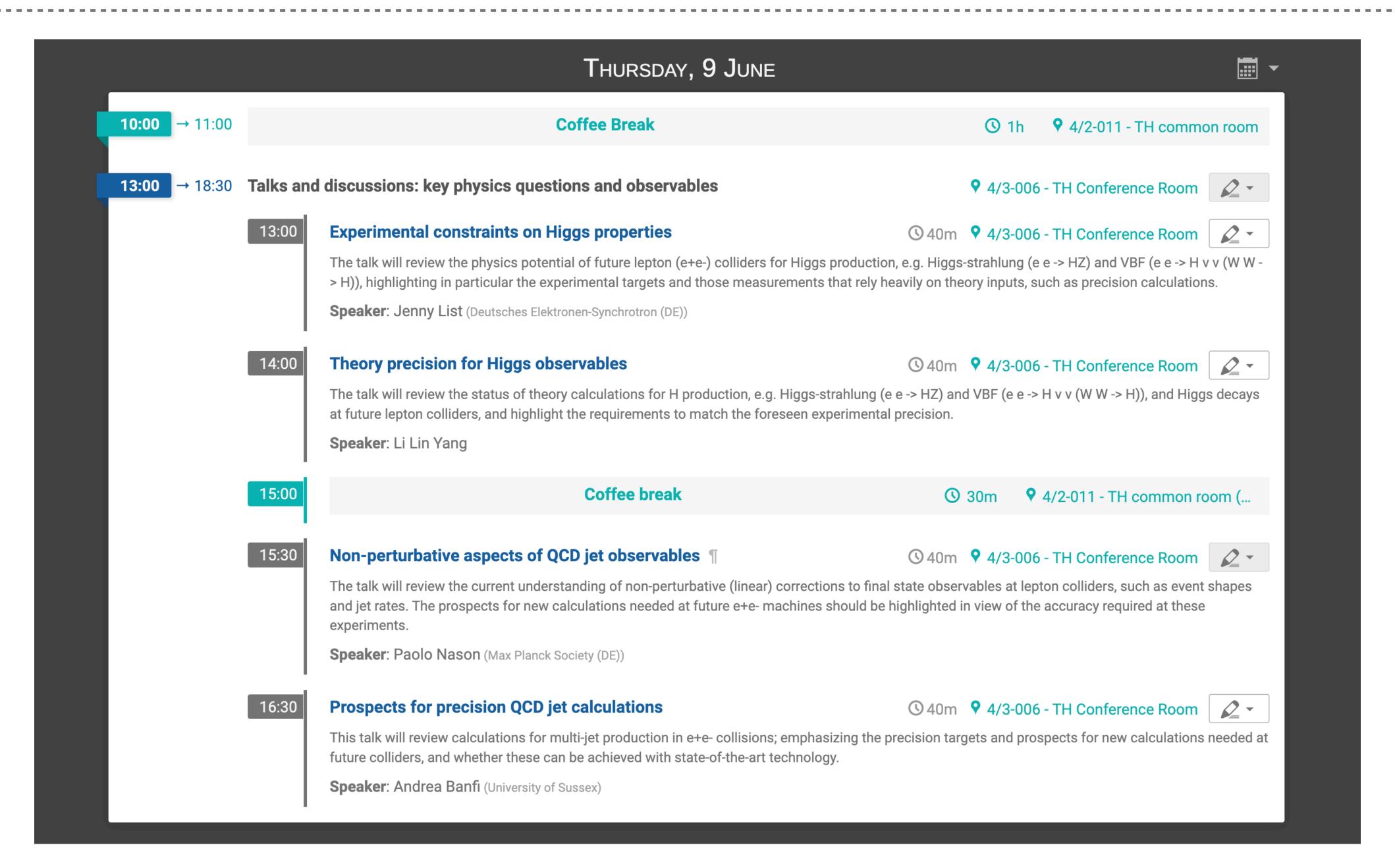
Programme (week 1): Z pole physics and QCD



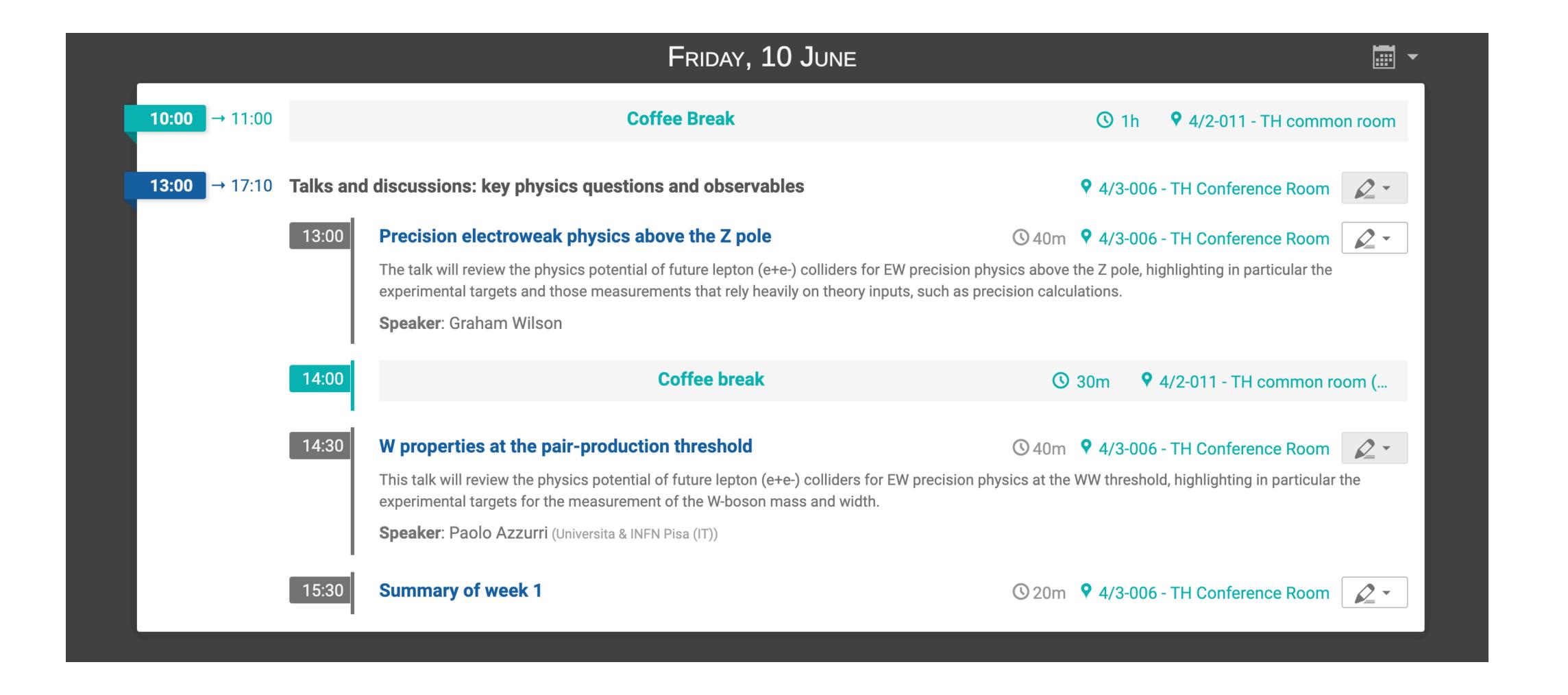
Programme (week 1): ISR aspects & top-pair physics



Programme (week 1): Higgs physics & QCD jet observables



Programme (week 1): WW physics at and above threshold



Thank you and enjoy the workshop