



Highlights from the 1st JENNIFER Summer School

Sören Lange, Klemens Lautenbach, Dennis Getzkow Justus-Liebig-Universität Giessen

Jennifer Consortium General Meeting September 21–23, 2016, Queen Mary University of London

JENNIFER Summer School 2016

When? July 25-29, 2016

Who? 40 participants (lecturers and students)

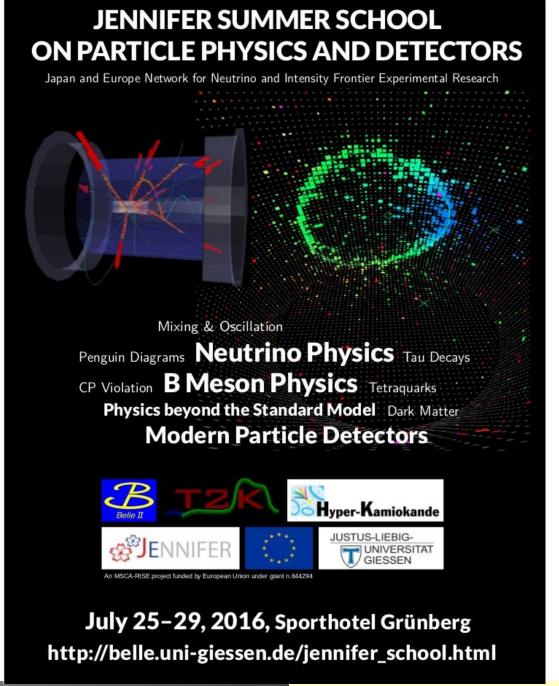
Where? At Grünberg (village close to Giessen)

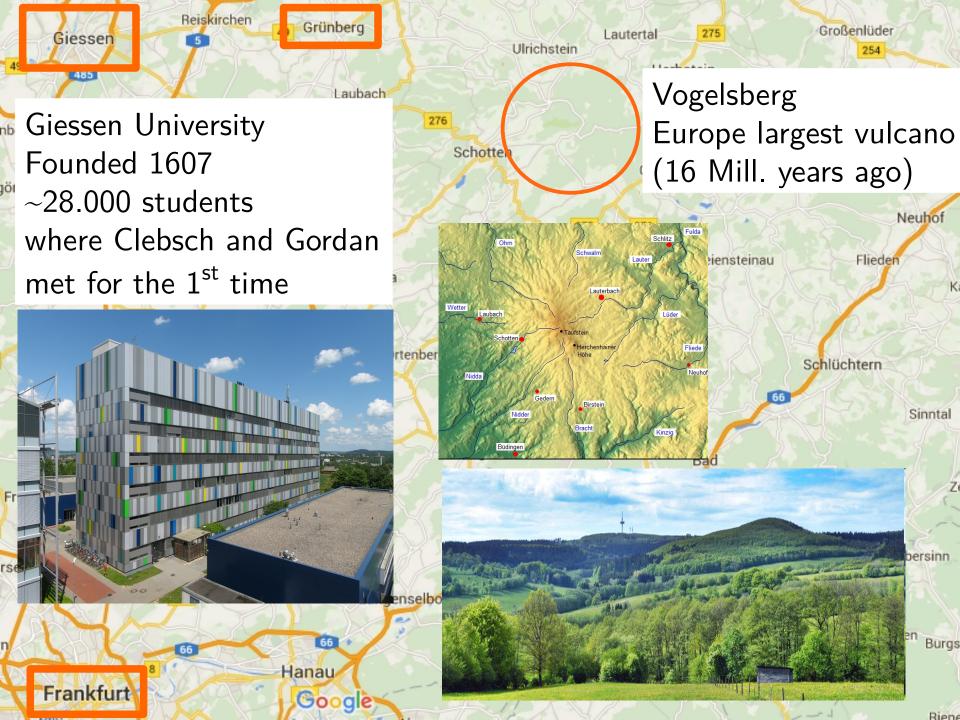
Sporthotel Grünberg (****)

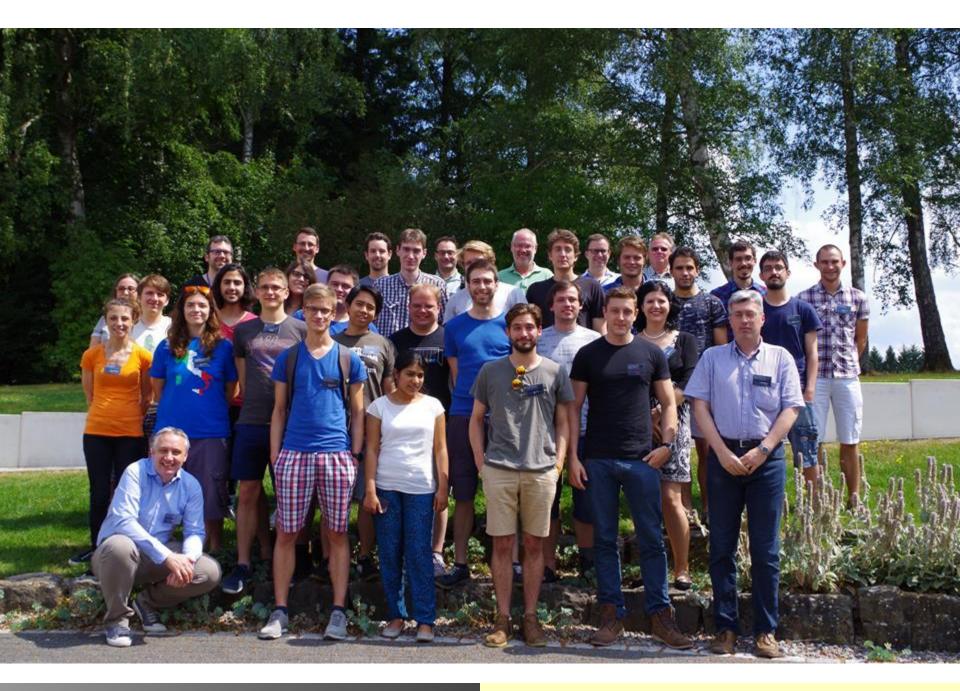
training camp of german national soccer team and other teams such as Borussia Dortmund, Schalke 04, ...

Warm weather $(20-25^{\circ} \text{ C}) \rightarrow \text{social dinner: barbecue (outside)}$

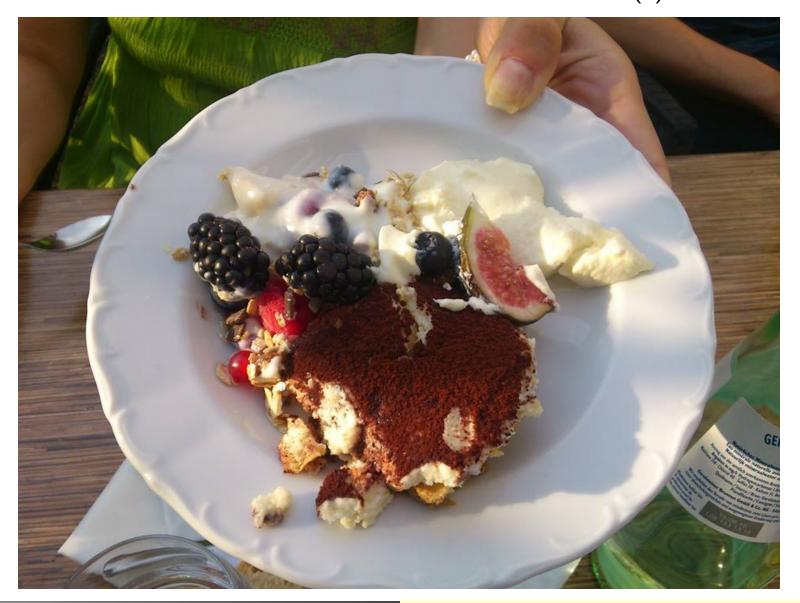
Some groups had more than one eligible students: we offered participation, and some students from Bonn, Giessen, Göttingen received financial support from other sources. We appreciate very much.







Culinary support was more than "o.k." (reminder: 40,50 € for lunch, dinner, all softdrinks in session, 2 coffee breaks, room, beamer(s), whiteboards)



INDICO



https://indico.uni-giessen.de/indico/conferenceDisplay.py?confld=193

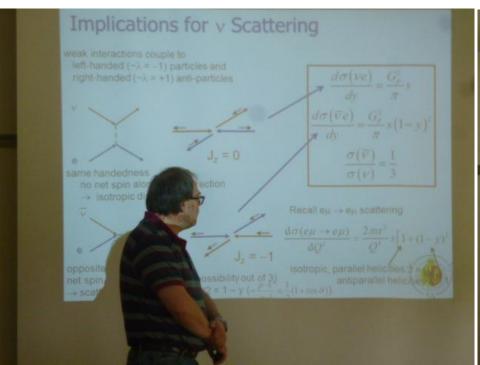
please don't worry about the certificate warning and click [ADVANCED] and [PROCEED] (we are using <u>self-certificate</u>, which is even more secure than a certificate from some unknown server somewhere in the world)

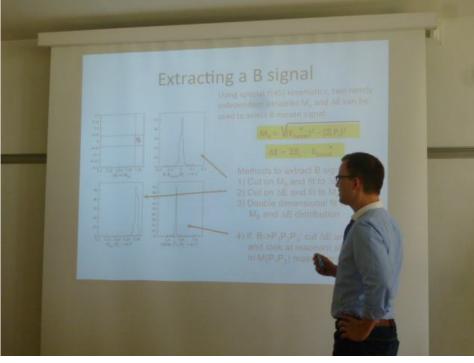


Thomas Mannel (Siegen)
B mesons (theory)
(here: penguin diagrams)



Michele Maltoni (Madrid) Neutrinos (theory) (here: neutrino oscillation)

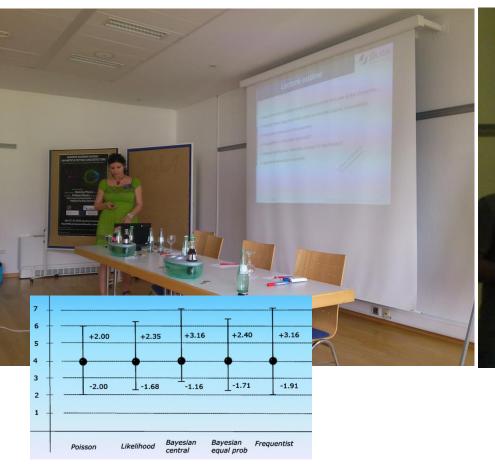




Alessandro Bravar (Geneva)
Neutrinos (Experiment)
(here: scattering)

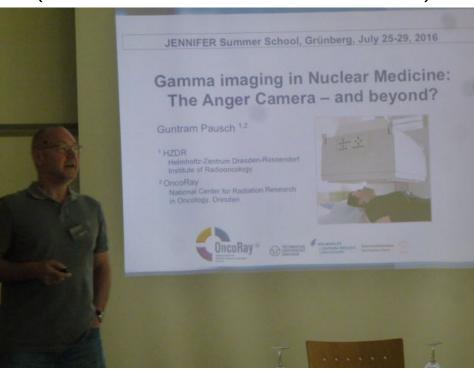
Christoph Schwanda (Vienna)
B Mesons (Experiment)
(here: signal reconstruction)

Elisabetta Prencipe (FZ Jülich)



Statistics: why roofit has asymmetric error bars?

Guntram Pausch (FZ Rossendorf and ONCORAY)



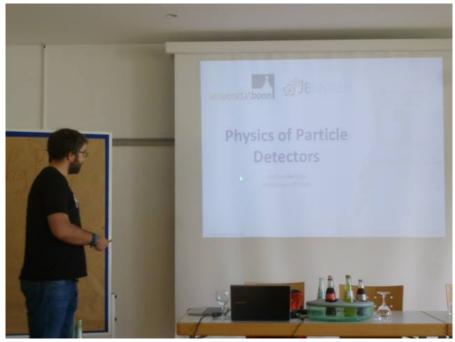
Cancer therapy with beams and diagnostics (tracers, PET, ...)

Gianluca Inuglia (DESY)



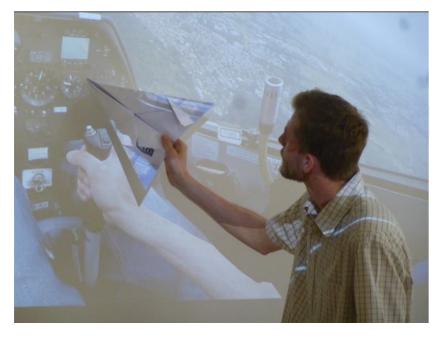
(here: virial theoreme for galaxies, calculation "by hand")

Carlos Marinas (Bonn)



Basic technologies and introduction to modern detectors (e.g. silicon pixels, etc.)

Philipp Riedl (guest, bachelor student from Giessen)



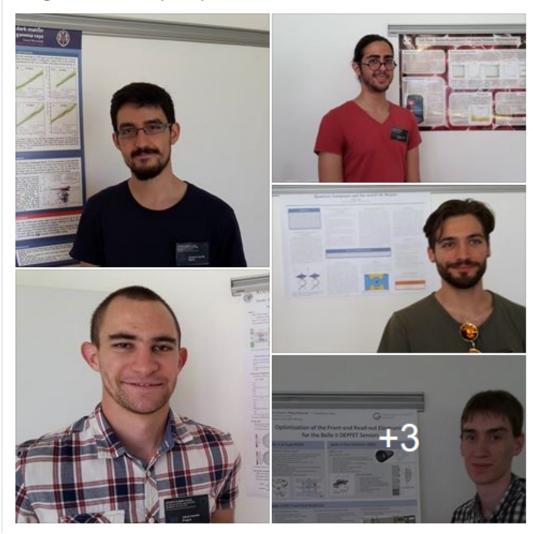
ZERO-G experiments (and how he did them as a hobby pilot over Giessen and Grünberg) Hans-Georg Zaunick (Giessen)



Hands-on tutorial on DAQ for cosmics, and student presentation about DAQ For cosmic ray showers with satellite timing on a RaspBerry Pi

Poster competition

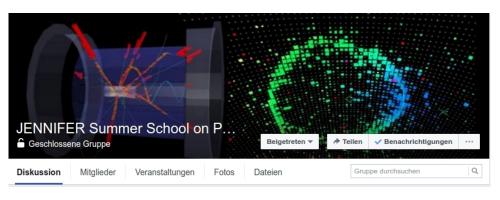
Poster competition: 1. Nicolas Angelides; 2. Jakub Kandra. 3. Dario Gatto. Congratulations to all participants: it was hard to choose the winner!











- facebook group many photographs available (closed group \rightarrow please wait 1–2 days after your request)
- "Homework" for the students:

 → why are there 3 families of quarks and leptons?

 Answer can be submitted by email, at any time in the next 100+ years ...

THANK YOU!!

(for making the summer school possible)