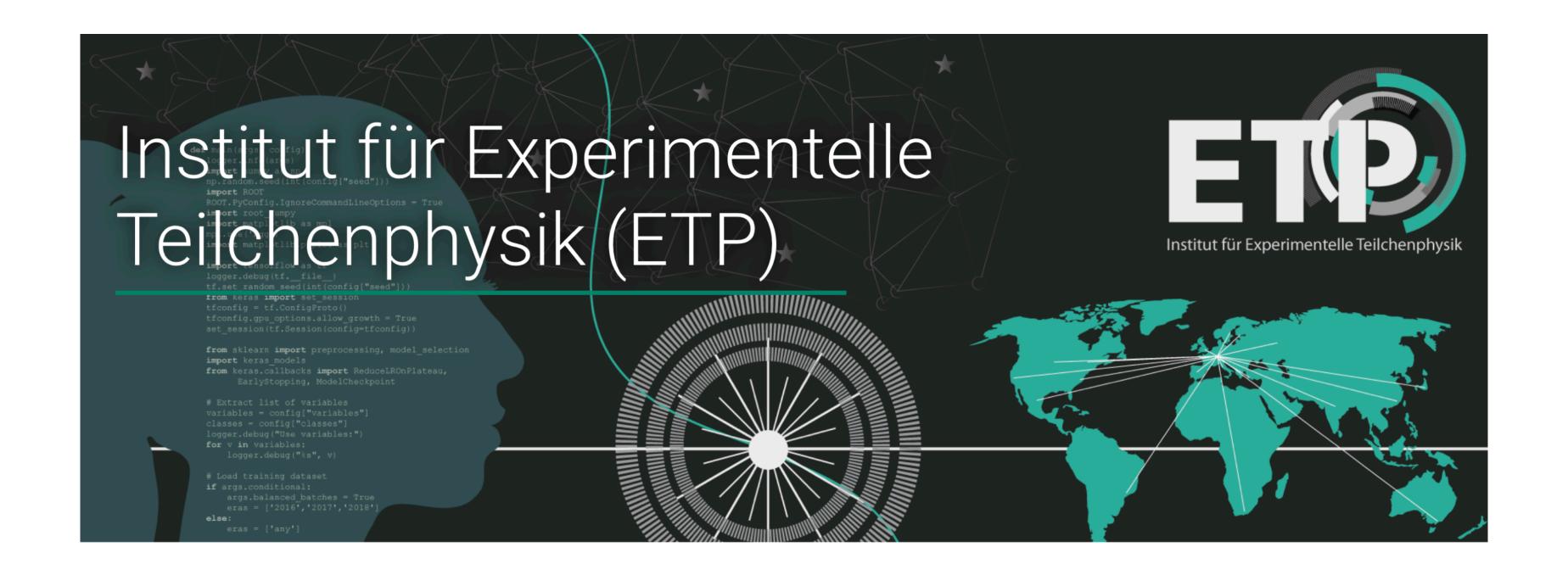


# ETP Weekly Meeting

News



Ulrich Husemann

#### New members or status changes

... since the last meeting

#### **Upcoming Events**

... welcome to the summer semester

- 19.05. 3.45pm Particle Physics Colloquium
  - Ann-Kathrin Perrevoort (KIT) "Mu3e"
- 20.05. 3.45pm Physics Colloquium
  - Falk Eilenberger (FSU Jena) <u>Integration of two-dimensional materials</u> in optical systems: towards nonlinear waveguides, integrated quantum light sources, and polariton physics

#### **Upcoming Events**

... in the coming weeks

- 27.05. 3.45pm Special Physics Colloquium
  - ...(belatedly) celebrating the 60th birthday of Günter Quast
- 13.–17.06. KSETA Lectures
  - Julius Wess Awardee Mark Wise (Caltech)



#### Approximate symmetries of the Standard Model for elementary particle interactions

KSETA lectures by

**Prof. Mark Wise** 

(Caltech, USA)

(Julius Wess Awardee)

KIT Campus South, bldg. 30.23/30.22

13.06.2022	14:00 – 15:30 h	room 3/1
14.06.2022	11:30 – 13:00 h	room 3/1
15.06.2022	14:00 – 15:30 h	Lehmann lecture hal

**17.06.2022 11:30 – 13:00 h** room 3/

#### Abstract:

Several different approximate approximate symmetries of the standard model for particle physics and cosmology are introduced and their implications for experiment and observation are discussed. These symmetries include, baryon number, heavy quark symmetry and scale invariance. The latter is realized only in the early universe but has implications for the perturbations in the energy density that influence measurements of the microwave background anisotropy and the large scale distribution of galaxies. Baryon number violation has not been observed in laboratory experiments but is required to generate the cosmological baryon number excess. Finally, some of the predictions of the approximate heavy quark symmetry of the strong interactions will be studied in more detail in the upcoming Belle II experimental program.

www.kseta.kit.edu



#### ETP News

... https://www.etp.kit.edu/english/1178.php

- Reviving ETP News / Aktuelles
- Please submit short reports (papers, relevant talks, workshops, activities, ...)

### Yesterday: ETP Hike

... to Karlsruher Grat

 Next hike planned for second half of June



## Alexander von Humboldt Professorships

... awarded by Federal Minister Stark-Watzinger on May 12 in Berlin

Alexander von Humboldt-Professur 2022 | Preisverleihung Alexander von Humboldt Professorship 2022 | Award Ceremony





Preisträger\*innen
Award Winners

Daniel Rückert
Angela Schoellig
Joacim Rocklöv
Thorsten Wagener
Gustav Holzegel
Markus Klute

...with a great speech by our own Markus Klute



#### Campus Day

... May 14th, 2022

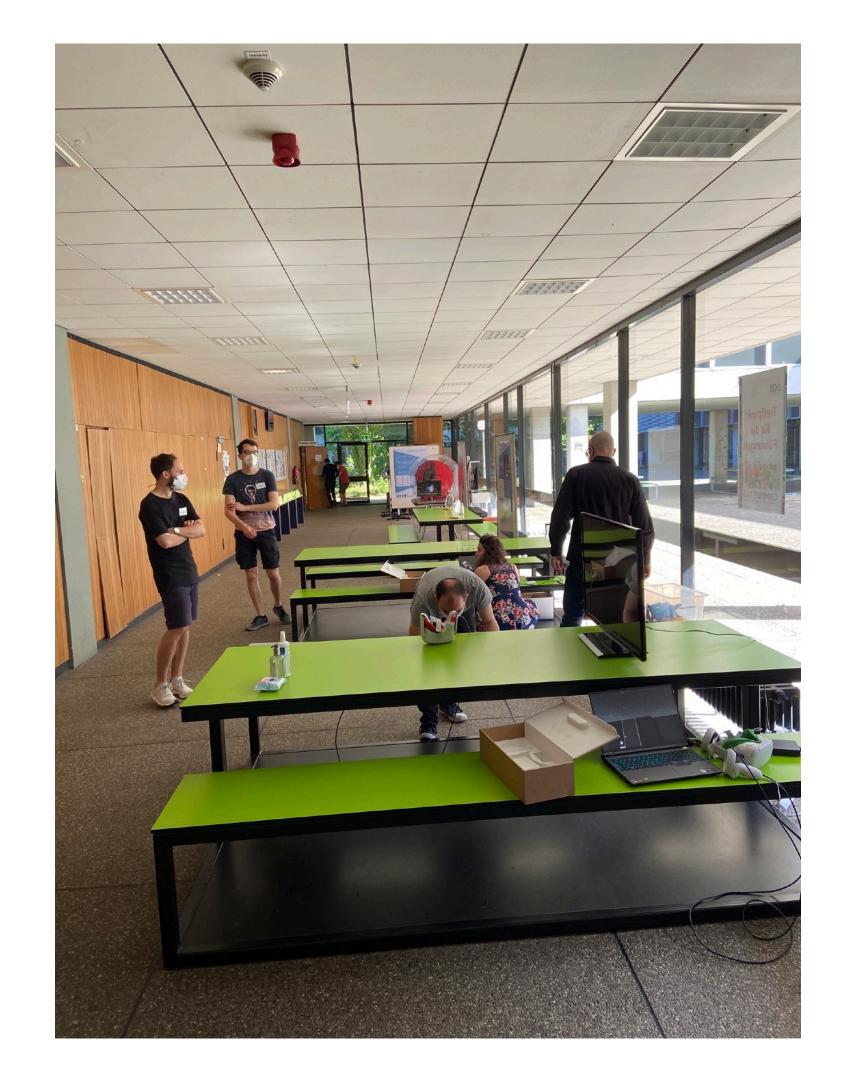


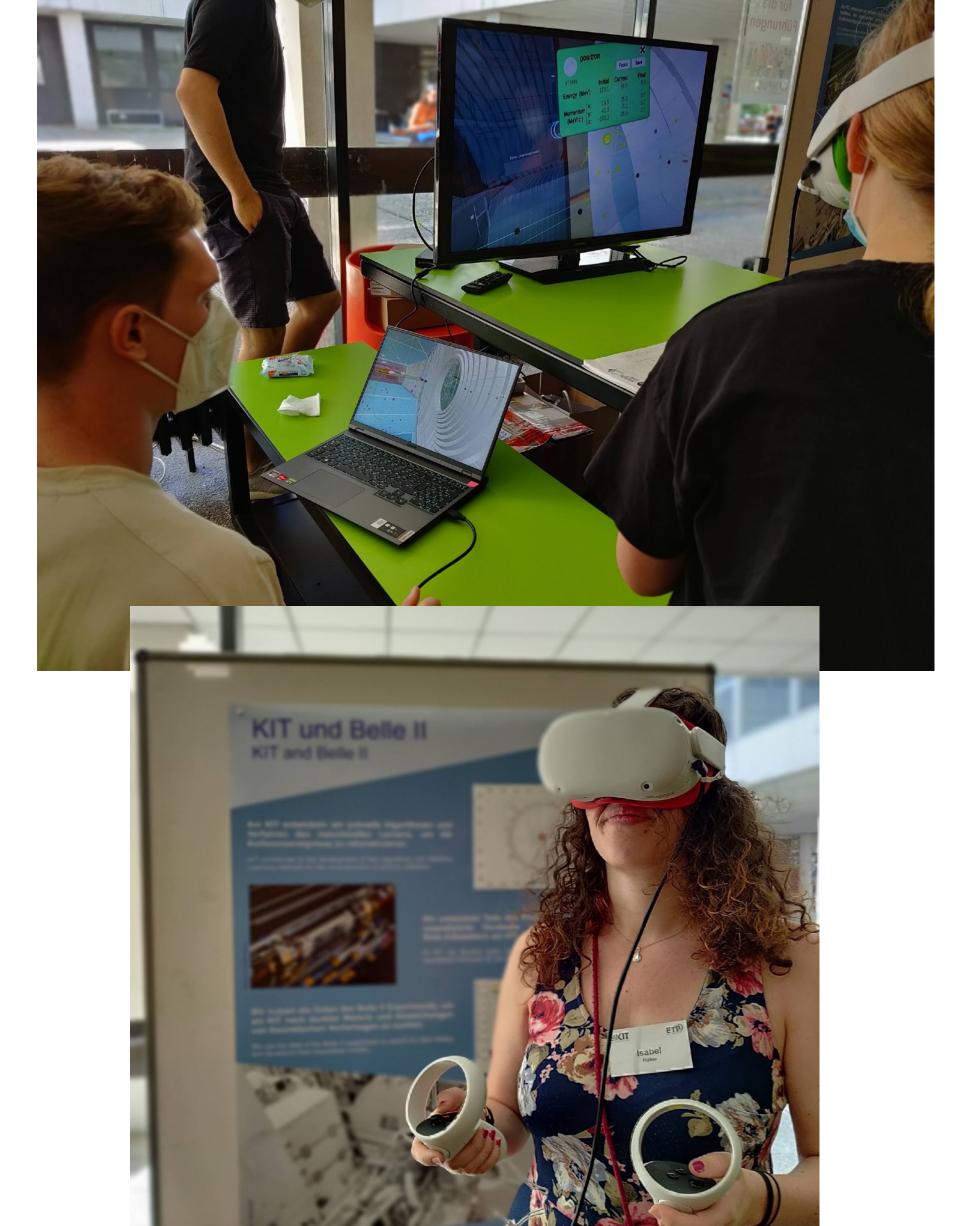
- Well organized by the department
  - Fachschaft: Food and live music
  - Lectures, information events, lab visits
- ETP: great showing
  - Poster exhibition, Belle VR headsets, CMS model, virtual CERN visit
    - A big thank you to all of you who helped, be it during the preparation or on shift on Saturday

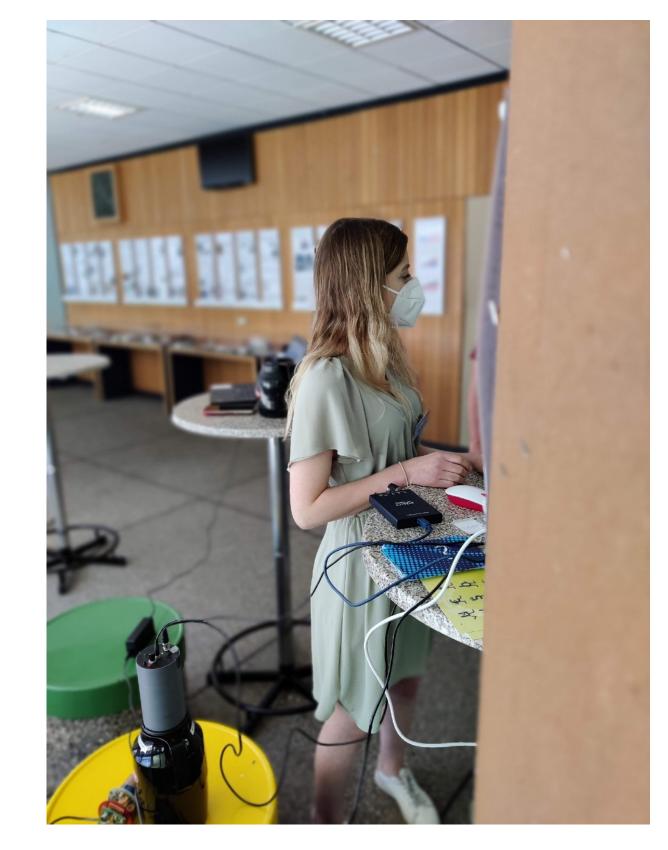


## Campus Day

... Some Impressions





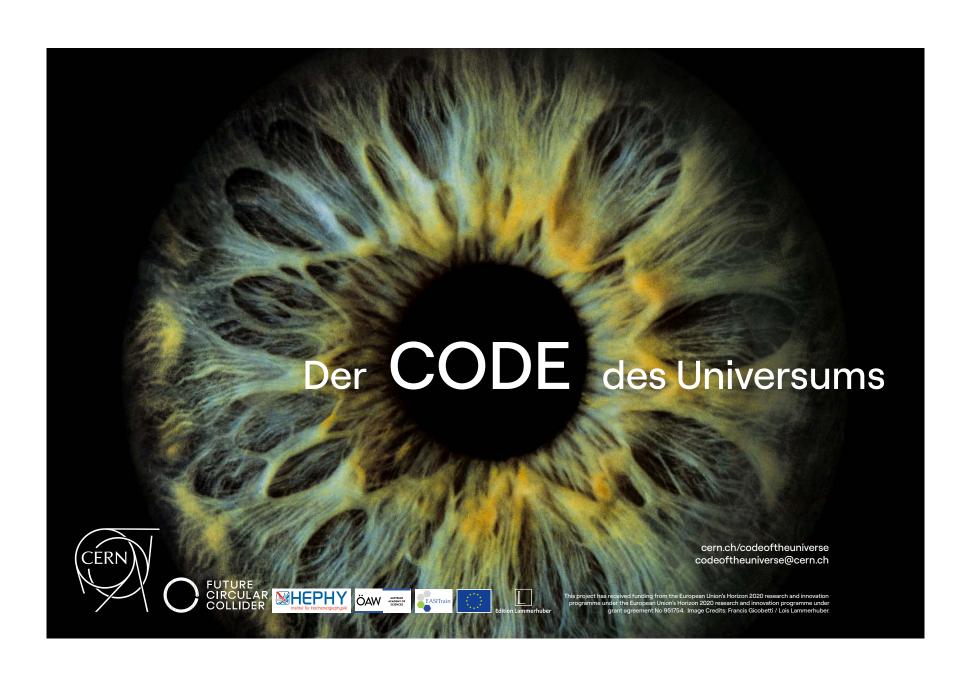




#### Further Outreach Events

#### ... Until the Summer Break

- 04.07. 6pm Higgs@10
  - Public event (Gerthsen lecture hall) plus after-event party
- July/August: Code of the Universe
  - 4-weeks exhibition at Kronenplatz
  - Vernissage on 16.07.
  - Evening event on 26.07.



## Featured presentation

... by Alexander Heidelbach

New Physics Searches with Belle II