

# FAKT Particle Physics Retreat 2020

WELCOME from the FAKT chair (J.Pradler, HEPHY)

*Apologies that I cannot be present. Thank you Christoph for acting as chair!*

To be discussed/decided at this retreat:

- vetting of the new FAKT webpage (only content, no requests regarding design pls)
- Monetary future of the Victor Hess Prize
- Future instalments of the FAKT meeting
- Ideas for outreach, in particular with youth as target group, that could be sponsored by ÖPG

# New FAKT Page

[www.oeaw.ac.at/kerne-teilchen-fakt](http://www.oeaw.ac.at/kerne-teilchen-fakt)

At the last retreat, it was decided to relaunch the FAKT webpage. Philosophy is to only have *essential* information listed. Site is already linked from ÖPG homepage.

- Info on how to subscribe to FAKT mailing list
- Victor Franz Hess Prize: description and previous laureates
- Participating institutions; current and previous FAKT chairpersons
- Link to FAKT retreats (2019 meeting was hosted on a discontinued HEPHY indico)

=> please look through the webpage and collect content-related corrections, if any.

I also requested creation of a CERN global Indico entry for FAKT [this workshop is hosted there; ensures data-preservation].

<https://indico.cern.ch/category/8587/>

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**Österreichische Physikalische Gesellschaft**

Fachausschuss für Kern- und Teilchenphysik

[Seite der ÖPG](#) | [Seite des FAKT](#)

- [Viktor Franz Hess-Preis](#)
- [FAKT Institute](#)
- [FAKT Mailing List](#)
- [FAKT Vorsitzende](#)
- [FAKT Workshop 2020 \(extern\)](#)

## Kern- und Teilchenphysik in Österreich

In Österreich forschen 7 Universitätsinstitute und 2 Akademieinstitute auf dem Gebiet der experimentellen und theoretischen Kern- und Teilchenphysik. Die ForscherInnen dieser Institute sind im Fachausschuss für Kern- und Teilchenphysik (FAKT) der [Österreichischen Physikalischen Gesellschaft](#) organisiert.

Ein Schwerpunkt der experimentellen Kern- und Teilchenphysik ist die Teilnahme an internationalen Experimenten. Die österreichische Wirtschaft profitiert vom Know-how der neu entwickelten Technologien und von dem beachtlichen finanziellen Rückfluss an österreichische Unternehmen.

Die österreichischen Kern- und Teilchenphysik-Institute bieten ein exzellentes Ausbildungsprogramm für StudentInnen, DiplomandInnen und DissertantInnen. Die NachwuchswissenschaftlerInnen sind von Beginn an in internationale Forschungsprojekte involviert.

### Experimente an vorderster Front der Teilchenphysik

- CMS- und ATLAS-Experiment (CERN, Genf, Schweiz)
- Dunkle Materie Experimente: CRESST, Cosinus (LN Gran Sasso, Italien)
- PANDA-Experiment (FAIR, Darmstadt, Deutschland)
- Neue Formen der Kernmaterie (LN Frascati, Italien und J-PARC, Tokai, Japan)
- Materie/Antimaterie Symmetrie: BELLE I/II (KEK, Tsukuba, Japan)
- Fundamentale Symmetrien mit Antimaterie: ASACUS/CERN, Genf, Schweiz)

# Victor Franz Hess Prize

[www.oeaw.ac.at/kerne-teilchen-fakt](http://www.oeaw.ac.at/kerne-teilchen-fakt)

Annual 1000 EUR prize for best dissertation in the field of nuclear- and particle physics

- by nomination; selected by a committee of (previous) FAKT chairpersons
- prize money comes from a FAKT-account, that historically was replenished by Bank of Austria. This has ceased, and now we have 4k EUR left...

=> future of the prize is not secured. Options should be discussed how to proceed. It is suggested to approach the ÖPG in form of a letter that can be discussed in May at their board meeting.

**Call for Victor Franz Hess Prize is currently open. Deadline March 31.**

# Future FAKT retreats

[www.oeaw.ac.at/kerne-teilchen-fakt](http://www.oeaw.ac.at/kerne-teilchen-fakt)

- Semmering is rather ideal in terms of a “golden middle” (in terms of travel time) between Graz and Vienna. I could not find affordable Seminar-Hotels elsewhere on the way. Jufa hotels are unbeatable in price but was booked out and more difficult to get to (FAKT 2019 retreat)

Drawback: Semmering tends to be more pricey - and for this reason we are at the Alpenhof a little off the train station and not at the Sporthotel

Please agree on a 2021 date and make a priority list, based on the experience of the locations [I am against Vienna/Graz locations as it defies the “retreat”-character]

- Alpenhof (night 95 EUR, daily fee 30 EUR)
- Sporthotel (night 95 EUR, daily fee 50 EUR + 150 EUR/day fee for the seminar room)
- JUFA (night 40 EUR, daily fee ~50 EUR + 80 EUR/day fee for seminar room)

=> we can make a reservation right after this retreat

- Please decide whether to have “career events” like in 2019  
[I am not in favor, because I think the platform is too small, but it’s rather subjective.]

## Sponsoring of events by ÖPG

- If there are concrete ideas for sponsoring events or outreach efforts, in particular targeting young people and in line with ÖPG statutes please let me know

Currently, the ÖPG is in a good financial position (unlike in the past) and this could be a chance to promote physics per se and to “make your money work” for the next generation of physicists.

Thank you and enjoy the meeting!

