



FRIEDRICH-SCHILLER-  
UNIVERSITÄT  
JENA

# Annual report

OF THE PAF STUDENT COUNCIL

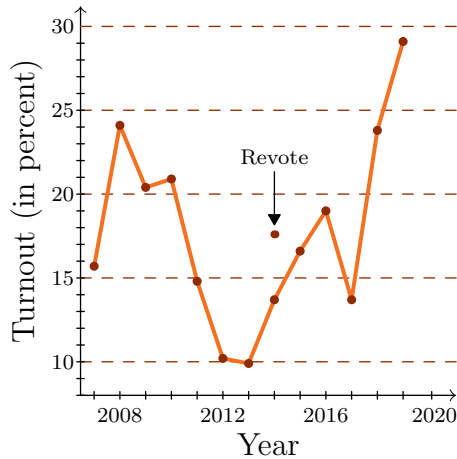
Faculty of Physics and Astronomy  
Friedrich-Schiller-University Jena

2019

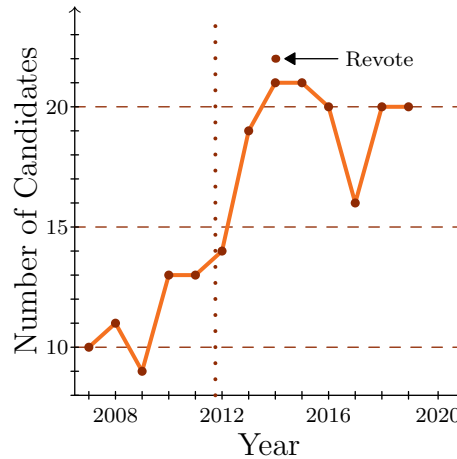
**PAF** **f**achschaft  
Physikalisch Astronomische Fakultät

# 1 Members and Tasks of the FSR

The student council of the Faculty of Physics and Astronomy (PAF) – referred to as FSR (for “Fachschafts-rat”) – is a group of fifteen students, elected each year. Twenty students stood for election in 2018, and 29.1% of the PAF student body gave their vote. As one can see in the two graphs below, the relative number of voters is at the highest level of the past years. Besides, we noticed a constant number of candidates in 2019.



Percentage of students giving their vote in the FSR election over the past years.



Number of candidates over the past years. In 2012 (dotted line) we set the number of members from nine to fifteen.

In the list below, the names of old and newly elected members of the PAF student council are named.

## Members in 2018/19:

- Maximilian Keller
- Tjorben Matthes
- Michael Dimler (chairman)
- Georg Pfeifer
- Johann Möbius
- Tom Lippoldt (budget official)
- Georg Schwartz (treasurer)
- Marcel Horstmann
- Lucas Eisenbach
- Fanny Getzlaff
- Felix Hildebrandt
- Markus Leipe
- Emil Donkersloot
- Alexander Litschko
- Fabian Schneider

## Members since October 2019:

- Tjorben Matthes
- Michael Dimler
- Markus Leipe
- Georg Schwartz (chairman)
- Tom Lippoldt (treasurer)
- Franziska Gladitz
- Georg Pfeifer
- Felix Hildebrandt (budget official)
- Leonie Graf
- Fanny Getzlaff
- Tobias Hössel
- Jakob Hollweck
- Tim Bien (till end of october)
- Fabian Schneider
- Samuel Ritzkowski
- Sebastian Ritter (from end of october)

We are facing a large spectrum of responsibilities. A small overview of tasks is shown below:



A huge part of our work consists of communication with institutions of the faculty, such as the Dean's office or the Office for Student Affairs. Especially the regular talks with the Dean have shown to be very beneficial for both sides. Another task is sending student representatives to other councils, such as the senate, the university student council *StuRa*, the *FSR-Kom*, the council of the faculty or the committee for lecture evaluation. During the lecture period we coordinate our work in weekly sessions, open to the public. Furthermore we offer two or more office hours per week to students looking for advice or searching for old exams.

Our main budget for all activities comes from the semester contribution of the students. In 2019 the university student council gets 7€ per student and semester, from which 2.20€ go to the student councils of the faculties.

If you want to contact us to get help or ask questions, e.g. about our meeting and office hours or upcoming events, please contact us:

<b>Mail</b>	<i>fsr@paf.uni-jena.de</i>
<b>Phone</b>	03641/9-47095
<b>Web</b>	<i>www.fsr.uni-jena.de</i>
<b>Facebook</b>	<i>Physikalisch-Astronomische Fachschaft Jena</i>

## 2 Events

Here we give a list of all events we organized in 2019.

09/01      **Excursion to PI-Keramik**  
For our regular local excursion we visited *PI Keramik* in Lederhose. Over 30 people signed up to get an exclusive look at the function and production of piezo crystals. Besides listening to multiple scientific talks, the participants also received little gadgets as souvenirs. The participants as well as the company were very happy.

17/01      **Magic-Tournament**  
The card game “Magic – The Gathering” was once again played as a tournament. 30 Participants from various faculties were present. Especially the newcomers who got an extra introduction as well as the experienced got their money’s worth.

25-27/01      **Exam-Preparation-Weekend (ger. abb. KlaVoWo)**  
As the last year gained fruitful results, we organised the “**Klausur-Vorbereitungs-Wochenende**”. It was a weekend in a youth hostel in Berg Sulza. First year students trained under the supervision of the tutors their exam subjects. We had 15 Tutors and 59 students participating.



25,26/03      **Orientation Days for New Students**  
10 new students started their studies in summer term here at the faculty for physics and astronomy. We introduced them to the study and examination regularities, gave guided tours through some institutes and the city as well as an introduction to *Friedolin*.

09/04      **Meet your FSR con Chili**  
In order to increase the awareness for the FSR’s work, we organized a little get-together in form of a Chili cooking over a camp fire. Besides many member of the student council, over 50 students were in attendance to ask questions about the FSR or chatter about the faculty.



30/04

### **Information about Scholarships**

We invited professor Ammon to supply the students with the necessary information to make *well made* applications for the “Deutschlandstipendium” and other scholarships. 20 students attended the talk.

01/05

### **FSR-Wanderung**

Starting at the Ernst-Abbe-Platz we hiked to the Lobdeburg. 30 students attended the hike and 40 enjoyed the camp fire. We will definitely repeat this event due to the very positive feedback.



07/05

### **Magic-Tournament**

At the IAAC the card game “Magic – The Gathering” was once again played as a tournament. The student councils of chemistry, informatics and mathematics organised together with us. Unfortunately only a few physics students took the possibility to play.

13/05

### **Skat-Tournament**

It was quite fun to play this traditional German card game as the 10 participating students can assure.

21,22/05

### **Summer-Exkursion to Karlsruhe**

This year we travelled to Karlsruhe to visit local companies and the Karlsruhe Institute for Technology. Everything went fine and the participants were very happy. The Alumniverein took as usual place in the organisation.



27/05

### **Science Feat Culture Party**

Together with the student councils of theology and chemistry we gave the students of sciences and humanities the possibility to party with each other and get to know each other better. The party in the “Rosenkeller” was sold out and the students had great fun.

06/06

### **Board-Game Evening with IAESTE**

The international exchange organisation IAESTE provided the organisation for our students to play board games and meet during that time students from different countries. IAESTE informed furthermore about their program to study or work abroad.



11/06

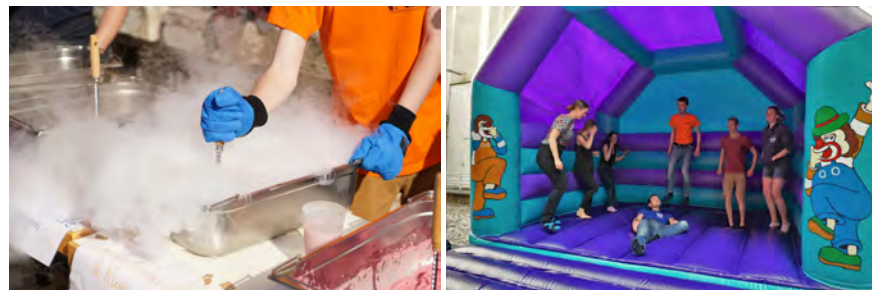
### **Question-Hour Theoretical Physics**

Every physics student has at least one theoretical physics question which one never got a satisfying answer to. We wanted to give a possibility to ask this question and get it answered. Professor Ammon and doctor Bergner were available for questions. Due to the small attendance a repetition of this event is unlikely.

12/06

### **Students meet Professors (SPT)**

Naturally – the same procedure as every year – we organized the Summer-SPT (“Studenten-Professoren-Treffen”), where students, professors and all other members of our faculty (sometimes even beyond that) can get together outside the usual routines. Exceptionally from the past years we lend this year the bouncy castle from the faculty of mathematics. Besides our traditional and especially tasteful nitrogen-cooled ice, we provided bratwurst, vegetarian food and beer. Furthermore, we handed out the award for extraordinarily good teaching (see below: 3 Lecture evaluation). Even more entertainment was provided by hosting a public viewing of the Women’s Football World Cup match between Germany and Spain..



28/06

### **Another Hike**

Because the last hike went so well we did another one. This time we ended in the Paradies Park to be able to have a barbecue due to the high forest fire alert level. The 30 students from Mathematics and Physics had fun on our hike.

- 06/07           **Sports-Tournament**  
 To give our students a little recovering distraction, we organised in cooperation with the student councils of sports and mathematics a football and volleyball tournament. Many students attended and got their work-out.
- 30/09, 01/10   **Orientation Days for New Students**  
 New students started their studies in winter term here at the faculty for physics and astronomy. We introduced them to the study and examination regulations, gave guided tours through some institutes and the city. The Faculty provided an introduction to *Friedolin*. Getting to know each other was made easier by a pub crawl and a barbecue.
- 01-05/10       **C++ -Tutorial**  
 Physics nowadays is not thinkable without simulations. To build a basic knowledge for our students Makus Pawellek and Clemens Anschütz held a C++ course about the basics of this programming language. About 10 students attended the tree day course.
- 09-13/10       **LaTeX-Tutorial**  
 Many scientific papers, protocols, etc. are created using the document preparation system LaTeX. To help our students get to know this at first quite intimidating software, we organized two tutorials, one in German by Sebastian Stock and the other on in English by Markus Pawellek and Clemens Anschütz. During four days of guided introduction, the participants learned how to create their first document and how to include pictures, formulas, tables, etc.
- 23/10           **Informative meeting on studying abroad**  
 For many students are seeking to spend a semester or more studying abroad, we invited Prof. Kaluza to talk about possible ways to accomplish just that, mainly the *Erasmus*-program. The participants were from various bachelor semesters. This year the office for international affairs from the university offered information about exchanging to countries outside of Europe.
- 25/10           **Workshop for Teaching Students**  
 This event took the second time place to help the different years of teaching students connect. The 12 participants were able to meet the new professor of didactics Holger Cartarius which gave a talk about quantum cryptography. The advertising was too late, in the next year this has to be optimised.
- 26/10           **Semester Start-Up Party: “Finding Neon”**  
 Another way of welcoming new students into our midst is by celebrating neat parties! For this purpose we teamed up with the student councils chemistry and mathematics to organize a semester start-up party at the Kulturbahnhof, a club here in Jena. The party was totally sold out.

25-26/10

### **“Ersti-Fahrt”**

Students in their first semester (especially, but not exclusively) often find it a lot easier to work in groups. So, to make finding friends during the first weeks easier, we took our new colleagues on a short, fun weekend to Leutenberg, where we barbecued, hiked and played games. For the next year we will search for a larger accommodation.

15-17/11

### **Retreat of the FSR**

To discuss long term strategic and pressing matters and additionally to introduce new members of the faculty we organised a retreat at the “Haus Rosenbaum” near the Rennsteig. Topics were the renewal of the FSR-handbook, the FSR letter template and new design of evaluation sheets. Due to the fact that much could be accomplished a repetition in the next year is likely.



12/11

### **Dies Legendi**

The student council presented at the Dies Legendi the concept of the KlaVoWo with a poster. Additionally we were able to get some input for ideas about teaching.

24/11

### **Long Night of Sciences**

The FSR participated with an information desk and the selling of waffles in the Long Night of Sciences at the University in Jena.

03/12

### **Anime-Evening**

We took part in the organisation of the Anime evening at the faculty of mathematics. 23 students came together to watch anime on a screen. We're looking forward to the next one!



- 06/12      **PowerPoint-Karaoke**  
 PowerPoint-Karaoke (PPK) is a bit like Karaoke: one gets the slides of random presentation and has then to present them only knowing the present slide. Each participant chooses one talk by its title. Around 70 students came to watch the courageous presenters. This time there were many talks and so the participants were entertained till the middle of the night.
- 10/12      **PHY-PSY Christmas Party**  
 There was another of the legendary Christmas parties with the student councils of physics and psychology. Even if there was none in the last year, it was a great opportunity to have a dance and drink some of the free mulled wine. The location at the Rosenkeller is still wonderful and beloved by us.
- 17/12      **Feuerzangenbowle**  
 Letting the year fade out, we showed the traditional German film “Die Feuerzangenbowle” (with English subtitles, of course) and prepared the corresponding (identically-named) drink. Many students from all parts of our faculty joined us, enjoying also Glühwein (mulled wine) and biscuits. This year we cooperated with the local group of the Optical Society of America which used the event as their Christmas celebration.

**Furthermore we supported the following external events:**

- Tag der Physik (08/03)
- Perlen der theoretischen Physik (01-01/04)
- Hochschulinfotag (02/06)
- Schülermesse München (03,04/07)
- Photonics Welcome Party (15/11)
- Säulen-Veranstaltung (11,12/2019)
- Studenten-Professoren-Treffen (20/11)
- MaWi Christmas Celebrating (10/12)



### 3 Lecture evaluation

Each semester the FSR organizes an evaluation of all lectures at the PAF (including several service courses of other faculties) in cooperation with the *Universitätsprojekt Lehrevaluation (ULe)*. The evaluation aims at the assessment of quality and professional level of the lectures seen from the point of view of students and encourages the lecturers to take a critical review of their teaching. At the same time it provides an orientation for students, for instance when choosing physical elective courses. On basis of the evaluation the FSR gave the **student body teaching award** in the summer semester 2019 to PD Andreas Undisz who makes a big effort to give good teaching and is always there if questions arise. In the winter semester the award was given to Prof. Gerhard Paulus, whose lecturing “Experimentalphysik 2 – Elektrodynamik” achieves constantly very high ratings while informing the students about the content and also about the historical background. The second reason for this award is his readiness to give lectures about topics which aren’t part of his research for example “Renewable Energies”. Additional acknowledgement for exceptionally good teaching was given to PD Simon Kraus who took the substitute professorship for didactics and did great during this time.



For the first time we wanted to honour the students who participate in exercise classes as guides, because normally they don’t get anything back for their commitment. Tutors were awarded if they had an outstanding evaluation in the last semester.



## 4 ZaPF and KaWuM

Twice a year, i.e. once per semester, physics students from throughout of Germany meet for the “Zusammenkunft aller deutschsprachigen Physikfachschaften” (*ZaPF* for short) to discuss matters concerning various topics of broader, national interest. This year’s *ZaPF* was hosted by the student councils in Bonn (7-11 June) and Freiburg (31 October - 3 November).

Of course, we participated in both of them and joined work groups dealing with copyright, prerequisites for studying physics, ethical responsibility in science and technology, common rooms for studying, compulsory attendance and many other topics. Resolutions and official statements can be found (in German) at [zapf-ev.de](http://zapf-ev.de).

Furthermore, a delegation joined the *meeting of all materials science and engineering technology student bodies* (referred to as *KaWuM* for “Konferenz aller werkstoff- und materialwissenschaftlichen Studiengänge”) taking place in Darmstadt (09-12 May) and Berlin (07-10 November). Important issues were the falling number of students and the sword-forging contest. The resolutions and official statements can be found (in German) at [kawum-matwerk.de](http://kawum-matwerk.de)

## 5 Faculty policy

The student council thanks the Dean's office and the faculty for the exceptional collaboration for example concerning the tutorials or the Mentoringprogram and especially for the gift printer.

The course of studies in the Bachelor of material sciences was evaluated by the CHE. The results were average, so we are working together with the faculty to improve them. For example the missing internationality was criticised.

From this year on we have got again a professor for didactics, Prof. Holger Cartarius, and due to the problems which arose in the last years in the teaching degree, we want to help him make noticeable changes in the study degree. Therefore the teaching students gathered and made a list of problems which will have to be talked about. We are looking forward to a fruitful collaboration.

The university wants to produce professional image films. We work together with the faculty to develop ideas for the production.

As in the last years the "Säulenveranstaltung" was advertised by us and held by the faculty. The now annual event informs bachelor students about topics in the different fields where they can write their thesis.

## 6 Miscellaneous

As in the last years we took part in the discussions at the "Studierenden AG" every semester. Matters of all students were discussed with the Vice-President for Research and Teaching Prof. Iris Winkler. Topics were amongst other things the new evaluation regulation and the study entry phase.

To make the study entrance phase easier we introduced a new format – the mentoring program. Students from the third bachelor year support about seven first year students. In the following years we aim for an additional cooperation with professors so that the students have a close relation to the research.

After the old FSR website wasn't up to date any more, we were able to get a shiny new one which looks at least as good as the old one and is hopefully as useful. We introduced a feature where professors can now announce their Hiwi offers. Additionally another attempt for the online collection of old exams and scripts is undertaken, Tim Hebenstreit programs a website from which the students can get their learning material.

In the future we will communicate with our students through an additional platform: *Instagram*, so if you haven't followed us yet, do it now.

Unfortunately something sad has to be recorded in this annual report. A burglary was committed and our door forced open and a cash box stolen. We hope that something like this will not occur again and consequently we took some countermeasures.

In the Max-Wien-Platz exists an *Aufstellung*. We recognised recently that the students at the Otto-Schott-Institute for material sciences can also be informed with the space we have got in a showcase.