What you can expect:

EXPERIMENT
Choose from 17 stunning problems and have fun with planning and performing your experiments. Do your own research and discuss in a team.

MEET
Get in touch with physics students from all over Germany.

FIGHT TOGETHER
Present your solution to the other teams. Show that you understood the problem best and point out weaknesses in your opponents’ solution.

WIN
Perform best as reporter, opponent, and reviewer, and represent Germany at the International Physicists’ Tournament 2020.

Contact and Imprint

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What is the GPT?

The "German Physicists’ Tournament" (GPT) is based on the "International Physicists’ Tournament" (IPT) which takes place annually since 2009. It aims at bringing together physics students from all over Germany who enjoy solving physics problems. The problems are published by the IPT board and deal with a wide range of phenomena from recent scientific issues to everyday physics.

The GPT is also the national pre-selection for the IPT. The winning team will represent Germany at the IPT 2020.

How does it work?

At both IPT and GPT, teams of students are solving intriguing physics problems with theoretical and experimental methods. The problems have been published in August to provide enough time for your preparation. Your team will have to face several challenges during the tournament. Your solutions have to be presented properly in a 10 minute talk and defended against the opponent. On the other hand, you have to criticise other team's solution as opponent yourselves and point out possible short-comings. Finally, as a reviewer, you lead an objective discussion focussing on the improvement of the problem’s solution. All contributions are rated by an independent jury after each physics fight.

The entire tournament is in English including all presentations and discussions. This will train not only your abilities to lead science-motivated discussions but also your skills to express yourselves in a foreign language.

How can we join?

The physics problems are solved and presented in teams of three to six persons. However you can also join as a single person, if you have no team. We will merge teams in those cases with respect to the solved problems to avoid any overlaps. As a team, you will need to work on at least 3 of the 17 problems; as a single person you're required to prepare at least one problem.

To ensure that the jury is diverse and independent, we strongly encourage you to also bring a juror from your home university or institute.

All costs for accommodation, meals and beverages are covered by FAU Erlangen-Nürnberg. You only have to take care of your travel expenses.

The registration forms for teams, single applicants and jurors can be accessed via the GPT webpage. If you have any kind of question, please don’t hesitate to contact the local organiser at any time.

Timetable and venue:

The GPT takes place from Friday, 06. Dec., to Sunday, 08. Dec., 2019. The tournament will start on Friday at 13:00 with a welcoming introduction and end on Sunday around 15:30. Please plan your trip accordingly to join the welcoming act since the tournament rules will be addressed there. A pre-liminar timetable can be found on the webpage.

The tournament will take place at the FAU Erlangen-Nürnberg. All physics fights take place at the Department of Physics, Staudtstraße 7, 91058 Erlangen. The exact location of the tournament rooms will be published in time.

You will be accomodated at the A.B. Hotel in Harfenstraße 1C, 91054 Erlangen. You won't be charged any costs for the hotel or the food.

Support the GPT

Does the GPT sound like an exciting way to promote physics among students? You can support the GPT in several ways:

• Promote the GPT among students who you think might be interested in participating.
• Put out these flyers where they can be found easily.
• Talk to colleagues if they have possible participants in mind.
• If you run a lab course: provide lab rooms and material for students to perform experiments for the solution of the problems.
• Register as a juror and join your local GPT team at the tournament in Erlangen.