Konstanz EPS Young Minds Section

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Konstanz EPS Young Minds Section

- jDPG local group since 2007
- EPS Young Minds Section since April
- 8 active members
- 4-5 events per semester

Johannes
Arne
Patricia
Ulrike
P. Möhrke
Martin
Philipp
Sebastian
Oliver
Konstanz:
- Largest city at Lake Constance
- Approximately 80000 inhabitants

University of Konstanz:
- Around 10000 students
- 500-600 students at the physics department
- topics: condensed matter, optics, soft matter
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Overview

- Introduction to the research of our department and close interdisciplinary groups
- Information about career perspectives of physicists
- Excursions to industry and research institutions and invited talks
- Events for first semester students
- ...
Series of invited talks with 2-3 events per semester

Especially organised for undergraduate students

Goal: overview of the research of our department

Extended to interdisciplinary research fields connected to physics
Career perspectives of a physicist

Idea:
- Every event has a special topic
- Two invited speaker talk about their career and their actual work
- Further discussions at the come-together afterwards

First event:
- Career in a big company vs. an own startup

Further ideas:
- Consulting
Excursions and invited talks

Nuclear power station in Leibstadt

Space company EADS Astrium

Network meeting in Stuttgart

Prof. Böhm: “Large Hadron Collider LHC”
The Boatle-Experiment

• Idea:
  • Build a boat with given material
  • Transport as much taws as possible

• Material list:
  • plasticine
  • ballon
  • postits
  • toothpicks
  • straws
  • polystrene ball
  • feathers
  • cellular rubber

• Teams with up to 6 students

• Competition with “experts”
Future plans

Excursion to Zurich
- Two-day excursion
- Idea for visits:
  - Universities
  - Helbing
  - EKZ
  - IBM, Google

Excursion to Karlsruhe
- Network-meeting with other jDPG local groups
- Program:
  - Fraunhofer institutes
  - KIT
  - jDPG-workshop

Beyond middle earth:
- 2-3 events this semester
- Adding lab visits

Career perspectives:
- 2 events this semester
- First idea:
  - Working in a Consulting company
- second idea:
  - Working in public institutions
  - Advising public institutions, for example regarding to reactor safety
Thank you for your attention!