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【94】 International Physicists' Tournament and International Young Physicists' Tournament

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The International (Young) Physicists' Tournament, short I(Y)PT, is a physics competition for students (IYPT: pre-university, IPT: university) with a strong focus on project and teamwork. In contrast to most other science competitions, the problems are published about a year before the tournament. An ideal I(Y)PT problem should allow for experimental and theoretical investigations on different levels and aspects of an interesting phenomenon (see <https://www.iypt.org/problems/problems-iypt-2024/> and <https://iptnet.info/problems/> for lists of current problems). Students get the opportunity to develop their own models and setups working on these open problems, engaging them with the process of real research. At the competition, teams present, discuss and review the solutions in so-called physics fights. This interactive format mimics a research conference and is an excellent experience for young scientists.

Over the last twenty years a national competition (Swiss Young Physicists' Tournament, SYPT) has been established with the intention to promote more project-based physics teaching at Swiss high schools.

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