

Abstract Submitted  
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**An IYPT-based undergraduate physics tournament in China<sup>1</sup>**

CHUANYONG LI, FENG SONG, YUBIN LIU, QIAN SUN, School of Physics, Nankai University — International Young Physicists' Tournament (IYPT) is a team-oriented scientific competition of secondary school students. The participants present their solutions to scientific problems they have prepared over several months and discuss their solutions with other teams. It can also be implemented in university level as its physics problems are all open questions and have no standard answers, especially suitable for undergraduates' ability training in China. The annual tournament of physics learning of undergraduates in our school of physics was started in 2008. Each year, there are 15-18 teams, 20 more student volunteers and 30 more faculty jurors involved. The students benefited in different ways. It is project-based, requiring students to solve the problems in a research way. Team work is developed in both experimenting and discussing stages. The knowledge learned in classrooms can be used to solve these practical and life-related problems, raising their interest and initiative in physics learning. Finally, they are building up their skills in scientific presentation and communication. An IYPT-based program called CUPT (China undergraduate physics tournament) was launched in 2010 and annually attracts about 40 universities to attend. It gains its important role in physics education.

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