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Physics learning promoting culture and addressing societal issues

Contribution ID: **80** Type: **Oral presentation**

Students' intrinsic motivation in the context of their level of engagement in physics experimentation

Tuesday, July 4, 2023 11:00 AM (20 minutes)

The contribution focuses on exploring upper secondary students' intrinsic motivation and its predictors in relation to different student engagement in experimental activities. The data were collected via a questionnaire based on the Intrinsic Motivation Inventory and analysed using Welch's one-way ANOVA. Three experimental activities were compared: (1) lecture demonstrations with low student engagement, (2) science show with higher student engagement and (3) students' hands-on experimentation. Respondents' perception of these activities is as follows: (1) lowest interest, lowest effort, medium value, (2) highest interest, medium effort, lowest value and (3) medium interest, highest effort, highest value.

How would you like to present your contribution?

Live in Košice (time slot to be allotted based on the programme)

Target education level (primary)

Upper-secondary education

Target education level (secondary, optional)

Primary authors: NIKITIN, Alexandr (Department of Physics Education, Faculty of Mathematics and Physics, Charles University, Prague); SNĚTINOVÁ, Marie (Department of Physics Education, Faculty of Mathematics and Physics, Charles University, Prague); KÁCOVSKÝ, Petr (Department of Physics Education, Faculty of Mathematics and Physics, Charles University, Prague); HOUFKOVÁ, Jitka (Department of Physics Education, Faculty of Mathematics and Physics, Charles University, Prague)

Presenter: NIKITIN, Alexandr (Department of Physics Education, Faculty of Mathematics and Physics, Charles University, Prague)

Session Classification: Lab work and experiments

Track Classification: Lab work and experiments in physics education