



Contribution ID: 13

Type: **Oral presentation**

Starting points for a new physics curriculum according to leading physicists

This contribution is focused on the physics upper secondary school curriculum. We present the results of longitudinal research whose methodology is inspired by an objectivist grounded theory approach. We conducted in-depth interviews focused on the physics curriculum with 29 leading Czech physicists and we identified 56 ideas they agreed on. Two years apart, the questionnaire survey based on the 56 ideas was held among the original group of the physicists, other scientists, physics education experts and physics teachers. All groups of respondents generally support physicists' ideas that emphasize all curriculum orientations but the cognitive processes and the humanistic orientation most.

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)

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Track Classification: Innovative curricula for physics teaching, learning and assessment