Contribution ID: **357** Type: **Oral talk (15 min + 5 min questions)**

Continuous-wave electron linacs for science and industry

Friday, 15 July 2022 12:50 (20 minutes)

SINP MSU develop normal conducting continuous-wave linear electron accelerators since 80s. Continuous-wave linacs compared to pulsed machines make it possible to obtain electron beams with more stable energy and lower energy spread, reduce detectors loading while maintaining the average intensity of events during an experiment. We present an overview of continuous-wave accelerators for both nuclear physics research and applied purposes, including superconducting accelerating systems. We analyze the features of the design and operation of that type of accelerators, the prospects for the development of this area.

The speaker is a student or young scientist

No

Section

1. Design and development of charged particle accelerators and ionizing radiation sources

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Presenter: YUROV, Dmitry

Session Classification: Design and development of charged particle accelerators and ionizing radiation sources