Contribution ID: **339** Type: **Oral talk (15 min + 5 min questions)**

HIGH-POWER ELECTON ACCEERATORS FOR THE PRODUCTION OF MEDICAL RADIOISOTOPES

Friday, 15 July 2022 10:40 (20 minutes)

In present time there is a tendency to avoid nuclear reactors in favor of electron accelerators as the main instrument for the production of medical radioisotopes. The report is devoted to high-power industrial accelerators developed by different manufacturers, including Laboratory of Electron Accelerators MSU Ltd. The main requirements for an electron beam are considered based on the existing methods of the radioisotopes production. The advantages and disadvantages of various schemes of high-power accelerators, beam transportation systems, and other are discussed in the article.

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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