



Contribution ID: 1799 Contribution code: THPS104

Type: **Poster Presentation**

Development and testing of an autocorrelator for measuring the duration of picosecond pulses of near infrared radiation

Thursday 5 June 2025 15:30 (2 hours)

The paper presents a design of an autocorrelator manufactured to measure the duration of infrared picosecond pulses of radiation from the 3rd laser of the Novosibirsk Free Electron Laser facility, as well as the results of testing the autocorrelator when measuring the duration of picosecond pulses in the visible range. The results and future plans for future experiments using developed autocorrelator

Footnotes

Paper preparation format

Word

Region represented

Asia

Funding Agency

Author: BORIN, Vladislav (Russian Academy of Sciences)

Co-authors: VINOKUROV, Nikolay (Russian Academy of Sciences); SHEVCHENKO, Oleg (Russian Academy of Sciences); REVA, Stanislav (Budker Institute of Nuclear Physics SB RAS & Novosibirsk State University); GERASIMOV, Vasily (Novosibirsk State University); MAIOR, Veronika (Budker Institute of Nuclear Physics SB RAS & Novosibirsk State University); GETMANOV, Yaroslav (Russian Academy of Sciences)

Presenter: BORIN, Vladislav (Russian Academy of Sciences)

Session Classification: Thursday Poster Session

Track Classification: MC6: Beam Instrumentation and Controls, Feedback and Operational Aspects: MC6.T03 Beam Diagnostics and Instrumentation