

Mamyshev regenerator for ultrashort light pulse shaping

Thursday, 1 September 2022 12:00 (2 hours)

We present a Mamyshev regenerator setup with electrically controlled acousto-optic switch. This setup allows the injection of a long, poor quality pulse through one of the switch inputs. After a few tens of regeneration cycles occur the input pulse is shaped into high quality ultrashort light pulse.

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Session Classification: Lunch and Poster Session 2