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ELI Beamlines: Overview of a control system of a high-power laser research facility

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ELI Beamlines is an international laser research facility located outside Prague, CZ. Four high-power (up to 10 PW) femtosecond pulse lasers serve as light sources for experiments in several branches of physics. Although control of a high-power laser beam poses different challenges than a synchrotron does, there is a common ground in the operation of support systems, safety, timing, data acquisition etc. This presentation is an overview of the approach taken by ELI laser controls team.

Primary author: Mr MAJER, Karel (ELI Beamlines)

Presenter: Mr MAJER, Karel (ELI Beamlines)

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