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Overview of the control and performance monitoring system of the 200TW ANGUS laser system

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Within the LAOLA Collaboration, the University of Hamburg and DESY work closely together to combine university research in the field of laser-plasma acceleration with the expertise of a large and well-established accelerator facility. We present in this poster a summary of hardware and software based changes to the 200 TW ANGUS laser system to increase ease of operation and stability. We will give an overview of the architecture of the recently accomplished laser monitoring system that relies heavily on DESY in-house control system infrastructure. All important laser performance parameters will be measured, displayed and logged into a central archive by this system.

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