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First Lasing of Athos, the Soft X-Ray FEL Beamline of SwissFEL

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Athos is the soft X-ray FEL beamline of SwissFEL at PSI in Switzerland. Its novel undulator layout consists of short Apple-X modules, capable of providing full polarization control, interleaved with short magnetic chicanes. This flexible configuration allows for many unique operational modes, giving control over FEL properties such as peak power, pulse duration and longitudinal coherence. This contribution presents the first lasing results of Athos, including SASE and some of the special operation modes.

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