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X-ray laser oscillator - new results

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X-ray Laser Oscillator (XLO) is an ongoing project at SLAC National Accelerator Laboratory. The project aims to construct world's first population inversion x-ray laser, using LCLS XFEL as a pump. XLO also utilizes the multi-bunch mode of LCLS copper linac, and a Bragg cavity arranged in a bow-tie configuration. When built, XLO will be able to generate x-ray pulses of very high quality. In this proceeding, we report on the new findings and design updates of the XLO.

Footnotes

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Region represented

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