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## First Lasing of the COXINEL Seeded Free Electron Laser Driven by the HZDR Laser Plasma Accelerator

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The COXINEL line has been designed at Synchrotron SOLEIL for electron beam manipulation in view of a seeded free electron laser using Laser plasma acceleration (LPA). After first studies on electron beam transport and undulator radiation in the spontaneous emission regime using LPA from Laboratoire d'Optique Appliquée (Ecole Polytechnique, France), the line has been moved to the HZDR, Dresden, Germany, for high quality LPA electrons driven by the DRACO laser. We report here on the demonstration of a seeded FEL at 275 nm driven by the HZDR LPA.

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Yes

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