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Commissioning Results of Phase Shifters at Dalian Coherent Light Source

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Phase shifter collocated with undulator is an efficient way to enhance lasing of free-electron laser (FEL), especially for seeded FEL. Dalian Coherent Light Source (DCLS) is a seeded FEL operating on high-gain harmonic-generation (HG) mode. In order to achieve highly performance of FEL lasing, five phase shifters are interspersed between six undulators. This paper will present the commissioning results of the five phase shifters, especially the impact on FEL lasing.

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Yes

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