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Commissioning of the S-band RF Transverse Deflecting Cavity at Dalian Coherent Light Source

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Dalian Coherent Light Source (DCLS) is an extreme ultraviolet free-electron laser (FEL). The measurement of the longitudinal phase space (LPS) of electron bunch is vital to a FEL facility. In order to measure the LPS, a S-band RF transverse deflecting cavity (TDS) has been installed and commissioned at DCLS facility. This paper will introduce the TDS physical layout and commissioning results with electron bunch.

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Footnotes

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Primary authors: SUN, Jitao (Dalian Institute of Chemical Physics); LI, Xinmeng (Dalian Institute of Chemical Physics); YU, Yong (Dalian Institute of Chemical Physics); YANG, Jiayue (Dalian Institute of Chemical Physics); LI, Zongbin (Dalian Institute of Chemical Physics); DING, Hongli (Dalian Institute of Chemical Physics); SHI, Lei (Dalian Institute of Chemical Physics); LI, Qinming (Dalian Institute of Chemical Physics); WANG, Wei (Dalian Institute of Chemical Physics); WANG, Qian (Dalian Institute of Chemical Physics); GUO, Chenglin (Dalian Institute of Chemical Physics); TAO, Kai (Dalian Institute of Chemical Physics); ZHAO, Feng (Dalian Institute of Chemical Physics); LIU, Ming (Dalian Institute of Chemical Physics); WANG, Qianhan (Dalian Institute of Chemical Physics); XU, Bo (Dalian Institute of Chemical Physics); YIN, Feiyang (Dalian Institute of Chemical Physics); ZHOU, Jiami (Dalian Institute of Chemical Physics); CHENG, Gongkui (Dalian Institute of Chemical Physics); GAO, Meng (Dalian Institute of Chemical Physics); CHEN, Zhichao (Dalian Institute of Chemical Physics); HE, Zhigang (Dalian Institute of Chemical Physics); TIAN, Yuhuan (Dalian Institute of Chemical Physics); WU, Guorong (Dalian Institute of Chemical Physics); DAI, Dongxu (Dalian Institute of Chemical Physics); ZHANG, Weiqing (Dalian Institute of Chemical Physics)

Presenters: YU, Yong (Dalian Institute of Chemical Physics); YANG, Jiayue (Dalian Institute of Chemical Physics)

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