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Mon-Mo-Po1.08-04 [90]: Development of Cryostats for Superconducting Magnets at IHEP

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The 3rd generation synchrotron light source will use a lot of insertion device, such as SC wiggler and SC undulator, to generate synchrotron radiation photon. The cryostat of 3W1 SC wiggler magnets have been finished assembling and cryogenic testing, the test results show that in the normal operating mode (no power failures, unexpected quenches etc.) the cryostat work with close to zero liquid helium consumption. The cryostat of SC undulator have been finished mechanical design and will start assembling at October 2019. Advanced development of the cryostat of the CEPC final focus superconducting magnets have been started at September 2018 and will finish the design and construction at December 2019.

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