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## **Winding Design for CFETR Central Solenoid Model Coil**

*Wednesday 7 June 2017 13:40 (2 hours)*

The central solenoid (CS) model coil for China Fusion Engineering Test Reactor (CFETR) is being developed in Hefei, China. The design value of the highest magnetic field for CS model coil is 12T, which is made of Nb<sub>3</sub>Sn and NbTi CIC conductor hybrid superconducting magnet. The structural parameter of all windings has been confirmed based on the electromagnetic design and optimization of coil. And the windings for CS model coil has also been designed, 5 windings all are kind of pancake coil composed of layers concentric turns, layer joggles and upper & lower leads.

### **Eligible for student paper award?**

No

**Authors:** HAN, Houxiang; WU, Yu (ASIPP); YIN, Dapeng (ASIPP)

**Presenter:** HAN, Houxiang

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