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Numerical simulation of a modified air conditioning system of the experimental hall at TPS

Thursday 5 June 2025 15:30 (2 hours)

Taiwan Photon Source (TPS) has been committed to serve users for eight years. In the first and second phases of TPS beamline project, there were 16 beamlines had been in operation. The third phase project had been launched in 2021. Facing the more persons and equip-ment in the experimental hall as well as power saving issue, we applied the computational fluid dynamic (CFD) scheme to simulate the air conditioning system to obtain better cooling efficiency. We modelled one twelfth of the TPS experimental hall and two beamlines.

Footnotes

Paper preparation format

Word

Region represented

Asia

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