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On the soft X-Ray diagnostic system for WEST tokamak

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The technical issues considering the provision of fast heterogeneous acquisition and diagnostic system for soft X-ray are discussed. The system is designated for the deployment in WEST thermal fusion reactor in CEA, Cadarache, France. The advancement in development for data processing of computational back-end are presented. The ultimate objective is to provide a fast data processing mechanism for future control mechanism in order to sustain the reaction in the tokamak.

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