

FAIR 3D Tier-0 Green-IT Cube

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FAIR computing presents computing requirements for the first level processing of the experiment data exceeding those at CERN. All computing resources, including the first level event selectors will be hosted in one data center, which is currently being planned. It sets new standards with respect to energy density, implementing more than 100 kW/sqm and energy efficiency by requiring less than 10% for the data center cooling, while allowing the use of general purpose computer servers. The over all FAIR computing concept is presented as well as the FAIR Tier-0 data center architecture.

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