

Daisy: Data analysis integrated software system for X-ray experiments

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Daisy (Data Analysis Integrated Software System) has been designed for the analysis and visualization of the X-ray experiments. To address an extensive range of Chinese radiation facilities community's requirements from purely algorithmic problems to scientific computing infrastructure, Daisy sets up a cloud-native platform to support on-site data analysis services with fast feedback and interaction. The plugs-in based application is convenient to process the expected high throughput data flow in parallel at next-generation facilities such as the High Energy Photon Source (HEPS). The objectives, functionality and architecture of Daisy are described in this article.

Primary authors: TIAN, Haolai (Institute of High Energy Physics); HU, yu (IHEP); Ms LI, ling (Institute of High Energy physics); LIU, Zhibin (Institute of High Energy Physics, Chinese Academy of Science); HUANG, Qiulan (Institute of High Energy of Physics, CAS); Dr ZHANG, Yi (Institute of High Energy physics); HU, Hao (Institute of High Energy of Physics); FAZHI, Qi (IHEP)

Presenter: TIAN, Haolai (Institute of High Energy Physics)

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