

## Recent developments in the data analysis integrated software system of HEPS (Remote Presentation)

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Recent advances in X-ray beamline technologies, including the advent of very high brilliance beamlines at next generation synchrotron sources and advanced detector instrumentation, have led to an exponential increase in the speed of data collection. As a result, there is a growing need for a data analysis platform that can refine and optimise data collection strategies on-line and effectively analyse large volumes of data after data collection.

The Data Analysis Integrated Software System (Daisy) has been designed to meet the requirements of the next generation of advanced synchrotron radiation sources, such as the High Energy Photon Source (HEPS). Daisy aims to support on-site data analysis services with rapid feedback and interaction, and offline analysis of large data sets.

In this talk, we will present the latest developments in the Daisy framework, as well as the custom applications for specific scientific domains that have been developed based on Daisy. Future developments will also be discussed.

**Primary authors:** HU, Yu (IHEP); SUN, Haokai (IHEP); FU, Shiyuan (IHEP); LIU, Jianli (IHEP); LIU, Rui; WANG, LEI (The Institute of High Energy Physics of the Chinese Academy of Sciences); WANG, Shuang (IHEP); QI, Fazhi (Institute of High Energy Physics, CAS); Mr ZHAO, Haifeng

**Presenter:** HU, Yu (IHEP)

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