The control software framework of the web base

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At present time, the user interface by means of a web browser is one of the most platform-independent user interfaces. Particularly, the web pages designed by so-called “Responsive Web” are available for use from personal computers as well as tablet terminals and smart phones. We have developed the common software framework for the instrument control system in MLF, J-PARC [1] aiming at flexible and scalable system by adopting XML/HTTP architectures. However, its user interface is platform-dependent and required to be more user-friendly. Last year, we have developed the prototype of the new software framework composed of the several device servers and the instrument management server, keeping the flexibility and scalability. We have adopted a framework, BOOTSTRAP [2], to realize the “Responsive Web” user interface of these servers. Figure shows the user interface of the instrument management server made by BOOTSTRAP.

In this presentation, we show the implementation of our software framework and the schedule of the introduction to the MLF instruments.

References