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## Management system for the SND experiments

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### Content

Management system for the SND detector experiments is being remade. There are some features to implement and some UI solutions to refine. One important part of the system is interaction between the SND databases and the user (where experiment configuration, conditions and metadata are stored).

A new system is designed in client-server architecture. It includes web-interface for user interaction. There are logical layers that separate roles of a user or developer: user interface templates, template variables description and initialization, implementation details. The template layer mentioned should introduce as simple as possible terms to be easily adjusted by physicists. The web interface should be convenient to use (display the most important parameters; provide easy configuration editing). The system is implemented using Node.JS, a modern JavaScript framework. A new template engine is designed. The important feature of the engine is asynchronous computations hiding with heterogeneous expression style.

Although development has not finished yet, the current version of the system is put into production. At the moment it includes a number of informational pages and configuration editing templates (ones for dealing with the first level trigger configuration, equipment configuration, experiment metadata, experiment conditions, relevant information for the SND operators).

### Summary

Management system for the SND detector experiments is being remade. It provides web-interface for user interaction. The server uses Node.js. The main concerns are simplicity for operators, updating some obsolete solutions and implementing features being waited for.

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