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# Front-end electronics and Controls as seen from the NUSTAR/FAIR perspective

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The experimental program at FAIR requires a smooth transition from existing experiments as well as integrating a variety of old and new detector systems from different collaborations world-wide. We follow a flexible scheme where minimal functionalities of an associated electronics, readout and control are defined in order to make these complex systems work together. In my talk I will present these functionalities and associated implementations and prototypes, as well as the neccessary back-end installations to be implemented at the FAIR facility. The issue of being able to monitor and judge on the quality of the data produced by an inhomogenous setup with large channel counts is discussed, especially in view of the necessary setup times. I will also outline in this context, how future instrumentation can be made compatible in the sense that they can be used flawlessly in different labs.

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