



High Energy Physics and Computer Science

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Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editor

The focus of this collection will be on technology and instrumentation for physics. The purpose is to study and review particle physics detector design, construction, and operations along with the computational needs to run High-Energy Physics (HEP) experiments. Developments from ongoing experiments are expected to lead to the design of future HEP challenges. Firmware/software for data acquisition systems and front-end electronics, commonly distinct domains, are here considered complementary with respect to the hardware of the detector instrumentation. Hardware and software have reciprocal duties, enabling to carry out frontier science and realize breakthrough discoveries. In this view, this Special Issue will provide a complete understanding of what current technology can achieve in term of detector performance along with the readout chain. New prototypes and concepts regarding hardware, firmware, and software configuration are also going to be featured.





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Editor-in-Chief

Prof. Dr. Marc A. Rosen

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Message from the Editor-in-Chief

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