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The Importance of Software and Computing to Particle Physics

In 2017 the experimental High-Energy Physics community wrote a Roadmap for HEP Software and Computing R&D for the 2020s. This effort was organised by the HEP Software Foundation (HSF) and was supported by more than 300 physicists from more than 100 institutes worldwide. It delivered a strategy outlining the most important areas in which investment is needed to ensure the success of our experimental programme. This contribution to the ESPP is an executive summary of the most critical and relevant points raised in that white paper.

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