

9th Beam Telescopes and Test Beams Workshop



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What's new on Allpix Squared?

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Since the first release of Allpix² in fall 2017, more than 30 developers have contributed to more than 25 stable releases. Over this time, the silicon detector simulation framework has been enriched by features ranging from physics aspects such the implementation of magnetic fields in particle and charge carrier propagation, over simulation aspects like the possibility to conduct full transient simulations of signal formation and processing, to the many improvements in the framework core, simulation examples and documentation. In addition, several developments are on their way, with the next major step close to completion being a re-implementation of the framework core and module structure for a highly efficient multi-threaded simulation.

This presentation will highlight the latest, major improvements to Allpix² and give an insight to current developments.

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