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Allpix, a Generic Monte-Carlo framework for pixel detector simulation

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Allpix is a Monte-Carlo simulation framework for pixel detector based on GEANT4. It allow for the user to easily define simulation scenario for all kind of geometry from the more complex to the most simple. Validated detector models for multiple detector are provided along with useful simulation models for the calculation of important quantities such as LET, dE/dX or delta ray production are also provided. In this presentation I will introduce the allpix software and present a few examples of use in single sensor, telescope and full detector simulation.

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