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Overview of the J-PET analysis and simulation software

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Modern TOF-PET scanner systems require high-speed computing resources for efficient data processing, monitoring and image reconstruction. In this article we present the data flow and software architecture for the novel total-body TOF-PET scanner developed by the J-PET collaboration. The reconstruction framework, Monte Carlo simulations tools together with several software activities dedicated for image reconstruction and new imagining techniques will be presented.

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