

Geant 4

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Updates to Bertini Cascade

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Starting in January 2010, substantial modifications have been made to the Bertini Cascade code. Primarily internal software updates and class refactoring, the changes include improvements to the internal physics processes (cross sections, final states, and angular distributions, respect for conservation laws, and a dramatic reduction in the memory “churn” attributed to the Bertini cascade. After an introduction to the Bertini model, a discussion of the improvements will cover the various functional areas, and performance monitoring results will be shown.

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