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The Liège Intranuclear Cascade (INCL) model. Its evolutions and capabilities.

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INCL (Liège Intranuclear Cascade) is an intranuclear cascade model, a first step for modeling spallation reactions. It is usually combined with the de-excitation code Abla to simulate the entire reaction.

We will quickly present how this model developed during the last three decades. We will also show how its present high reliability has been achieved, how it has been extended toward the low ($< \sim 100$ MeV) and high ($> 2-3$ GeV) energy regimes, what are its capabilities inside Geant4 and the future developments.

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