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Bringing Genesis to the Cloud with Sirepo

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Genesis is widely used in the free electron laser community as a simulation tool for studying both simple and complex FEL systems. Until now, this has necessitated learning the command line interface, which can be challenging for new users. Sirepo Genesis provides an intuitive graphic interface for building Genesis simulations in the browser that can then be run using our cloud computing services. Our interface also provides the ability to export simulations for command line use, simulation post-processing with publication quality graphics and the power to share their results with the click of a button to anyone, anywhere, in the world. This poster describes our new GUI and highlights the notable features that have been developed.

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Yes

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