

The Beams and Applications Seminar Series

[G.I.]CHEF: ITS PAST, PRESENT, AND FUTURE

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Fermilab**

**Bldg. 401, Rm. B2100
Friday, February 16, 1:30 pm
Host: Louis Emery, ASD**

Abstract: Continually evolving since the early 1990's, [G.I.]CHEF is a software framework, an interactive application, and a way of life. As framework and application, emphasis has been placed on accelerator optics calculations; as a way of life, it has been likened to digging a vertical tunnel. The framework supports multiple problem domains: esp. tracking, perturbation theory, and nonlinear analysis. Its underlying philosophy is to provide infrastructure, with minimum hidden implicit assumptions, general enough to facilitate both routine and specialized computational tasks and to eliminate duplication of necessary, complex bookkeeping tasks. I shall spend part of an hour trying to explain what that sentence meant and the rest describing CHEF's past, present, and future functionality.

For more information visit

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(kitching@aps.anl.gov, 630-252-6159) to arrange for a gate pass.