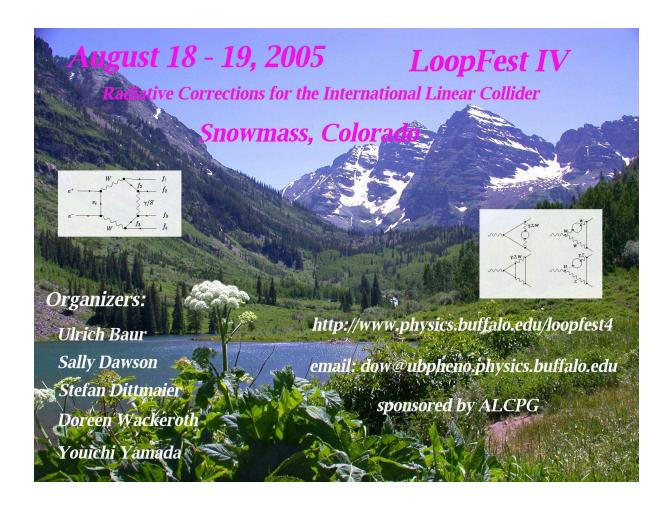
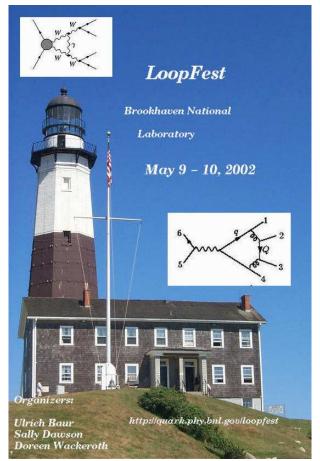
Welcome to LoopFest IV

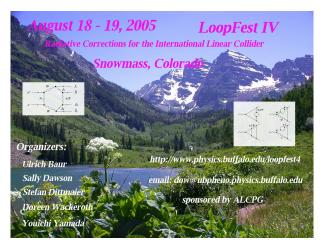


LoopFest History









LoopFest IV is sponsored by the American Linear Collider Physics Working Group on higher-order calculations at a future International Linear e+e-Collider (ILC). (http://quark.phy.bnl.gov/lcwg/)

The LoopFest aims to provide a forum to coordinate activities focussed on the theoretical challenges resulting from the ultra-high experimental precision of a future ILC.

LoopFest IV - Topics

- The ILC potential for precision measurements and their role in searching for and disentangling physics beyond the SM.
- Progress in multi-loop and multi-leg calculations of SM and SUSY cross sections and new approaches (e.g., twistors).
- Automization of multi-loop and multi-leg calculations in the SM and beyond.
- Interfacing fixed higher-order calculations with multi-purpose event generators.

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