Background Simulations: Strategy Discussion

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Background simulations: strategy & plans

- **Turtle decks (TF, GC)**
  - magnetic fields
  - apertures
  - GEANT source files
    http://www.slac.stanford.edu/BFROOT/www/Public/Physics/bgd2003_workshop/Wednesday/fieguth.ppt

- **Beam-gas studies @ Turtle level (RB)**
  - benchmarking of present machine
  - (iterative) validation of new-IR design
    http://www.slac.stanford.edu/BFROOT/www/Public/Physics/bgd2003_workshop/Wednesday/barlow.ppt

- **GEANT-level simulation essential (MB, GB, GC)**
  - benchmarking of computations against data (present machine)
  - complete validation of new-IR design: any “alligators”?
    http://www.slac.stanford.edu/BFROOT/www/Public/Physics/bgd2003_workshop/Wednesday/bondioli.ppt
Background simulations: strategy & plans

- **Beam-beam collimation studies using Turtle**
  - Optimize collimator placement/relocation (SM)
  - Understand main characteristics of collimator secondaries (HB)