Accelerating FFAG Work Plan

J. Scott Berg
Brookhaven National Laboratory
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FFAG Design

- Re-design FFAG for 12.6–25 GeV
  - Find optimal beam initial conditions (shape and position)
- Use FOFO lattice with cavities everywhere
  - Reduce effect of time-of-flight dependence on transverse amplitude
- Design injection and extraction system
- Design multi-frequency RF manipulation system, if needed

FFAG Simulation

- Tracking of machine
- Include fundamental beam loading
  - Correct design for beam loading