

Advanced Accelerator Concepts Workshop
June 23-28, 2002
Mandalay Beach Resort, CA

Working Group: E-Beam Driven Accelerators
Leader: Mark Hogan (SLAC)

The working group on particle beam driven acceleration concepts will

1. Review beam-driven (electron and positron) wakefield acceleration in plasmas: past, present and future plans (experiment and theory).
2. Review beam-driven wakefield acceleration in dielectric and metallic structures: past, present and future plans (experiment and theory).
3. Examine recent progress in computer simulations for beam-driven schemes, and identify what is necessary to model future experiments.
4. Identify the limiting factors in the performance of beam-driven acceleration schemes.
5. Outline what technological innovations are needed to move the field forward in a significant way.