

U.S. Department of Energy



Office of Science

U.S. High Gradient Research

DOE Perspective

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High Gradient Workshop

SLAC

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U.S. High Gradient Research

- DOE has supported extensive research on high-gradient acceleration and high power generation at DOE labs, universities, and small businesses
- Wish to focus this work on developing technology path to cost-effective multi-TeV e^+e^- linear collider
- Robin Staffin asked SLAC and Fermilab directors to organize a U.S. collaboration for this purpose
 - Labs, universities, small businesses
 - Collaborate with CERN on CLIC 2-beam approach
 - Selected Ron Ruth to lead effort



U.S. High Gradient Research

- The R&D Program
 - Coordinated, long-range R&D
 - Collaborative approach
 - Highest practical gradient
- Workshop goal = first steps toward:
 - Organizing collaboration
 - National work plan
 - Timeline for developing work plan and budget