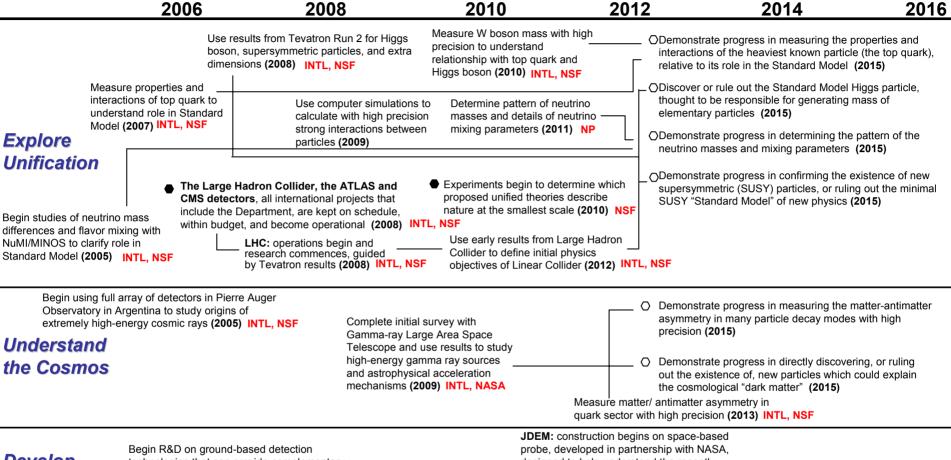
## A Roadmap for High Energy Physics: Objectives and Performance Targets



Develop **Enabling Technologies** (Future Facilities)

technologies that can provide complementary information about the nature of dark energy, in parallel with JDEM R&D. (2006) INTL, NSF

Begin R&D aimed at developing next-generation neutrino accelerator and detector technologies that can significantly advance our knowledge of neutrino properties. (2006) INTL, NP, NSF

designed to help understand the recently discovered mysterious dark energy that makes up more than 70% of the universe (2011)

Linear Collider (LC): construction begins of an electronpositron linear collider built by an international collaboration, designed to complement the LHC as a tool for studying unification (timing approximate - dependent on international negotiations) INTL, NSF

(Descriptions)

Broadly with ASCR on computational developments. **Interdependencies:** both hardware and software, affecting all facets of basic research and advanced instrumentation.

> Broadly across HEP objectives and corresponding elements

NASA = with NASA

INTL=with international community

NSF = with NSF

NP = with NP

■ =Key Intermediate Objective from DOE Strategic Plan ○ =Long Term Success Measure from PART

This timeline is for planning purposes only and does not constitute financial or contractual commitments by the Federal Government.