

OFFICE OF HIGH ENERGY PHYSICS

MISSION

This Office supports the Director of Science in providing effective planning, funding, and management of the High Energy Physics (HEP) research programs whose goal is to understand the fundamental nature of matter and energy and the basic forces; assists in the establishment of research policies for these areas of basic science and funds meritorious research programs at Federal laboratories, universities and industrial institutions; provides scientific and technical knowledge needed to develop energy technology options and transfers to technology programs those research projects which show high promise of becoming important as energy technology; develops and executes management procedures to ensure that the Nation's high energy physics facilities are operated efficiently and reliably to meet the research needs of the near future and to ensure that new or upgraded facilities are designed and constructed as needed for the longer range health and vitality of these fields; supports negotiations on DOE's participation in large international activities (e.g., the proposed Large Hadron Collider project at CERN), and pursues international collaboration in all phases of HEP to ensure optimal utilization of the program resources; and plans and coordinates the overall content and future directions of the HEP programs, including development and implementation of HEP portions of departmental strategic plans. In carrying out this mission, the Office will interface with other Federal agencies having HEP programs (e.g., National Science Foundation) and ensure compliance with DOE, Federal and/or State policies and regulations on safeguards and security, emergency preparedness, quality assurance, and environment, health and safety at high energy physics facilities.

ORGANIZATIONAL STRUCTURE

Office of High Energy Physics

FUNCTIONS

Office of High Energy Physics

1. Carries out the Department's role as Executive Agent for the U.S. High Energy Physics program, which includes responsibility for ensuring that a position of technological competitiveness for the U.S. program is maintained and for coordination and overall planning for the national effort in high energy physics. Maintains close liaison and coordination with other Federal agencies involved with the High Energy Physics program.
2. Assesses and recommends overall program priorities for the national effort in high energy physics by identifying, planning, organizing, coordinating, and managing high energy physics research and technology R&D programs to ensure proper balance among program elements.
3. Recommends and assists in establishing and implementing research policies for the High

Energy Physics program for the Department and the Office of Science.

4. Develops funding recommendations, allocates resources, and coordinates support for HEP programs. Assists the Director of Science in formulating High Energy Physics program budget requests and assists in the defense of the budget through DOE, OMB, and Congressional committees.
5. Provides overall management direction for the High Energy Physics program conducted at universities and Federal laboratories. Receives and evaluates proposals for scientific and technical merit; and monitors performance through site visits and peer reviews, participation in technical meetings, and periodic status reports.
6. Organizes and coordinates the operation of accelerator and experimental facilities to ensure they are operated and utilized in an effective manner. Establishes policies for support of facility operations to ensure consistency with established physics research and technology R&D goals and priorities; develops operating plans; and monitors performance through annual on-site visits and reviews, participation in laboratory meetings, and review of periodic status reports.
7. Assesses and makes recommendations on the capabilities and priorities of proposed new facilities; and in coordination with other departmental offices, provides supervision of major new construction and equipment projects.
8. Organizes and supervises studies, workshops and conferences to determine, with advice from the High Energy Physics Advisory Panel and other sources, the overall scientific and technical goals and priorities of the program and to maintain the High Energy Physics program at the forefront of science.
9. Assists in the development of High Energy Physics strategic plans, and ensures the High Energy Physics program goals are being achieved in an efficient and effective manner by careful review and assessment of Division activities.
10. Maintains liaison and coordinates the U.S. High Energy Physics program with those of other nations. Assists in formulation and administration of formal international agreements of collaboration with other nations, including large science projects, working closely with the Office of the Associate Director.
11. Ensures that technical and scientific advances in the High Energy Physics program are communicated, and provides a resource of scientific and technical expertise in high energy physics research and accelerator technology and development for other DOE and Federal programs.
12. Ensures compliance with, and implementation of, management practices consistent with DOE, Federal and/or State policies and regulations on safeguards and security, emergency

preparedness, quality assurance, and environment, health and safety at High Energy Physics facilities.

13. Fosters performance of High Energy Physics program activities to meet national objectives, including training of young scientists, public education, technology transfer, and diversity in the workforce.