

Exploring the nature of matter

Thomas Jefferson National Accelerator Facility is a U.S. Department of Energy Office of Science national laboratory.

Jefferson Lab's unique and exciting mission is to expand humankind's knowledge of the universe by **studying the fundamental building blocks of matter** within the nucleus: subatomic particles known as **quarks and gluons**.



More than 1,500 nuclear physicists worldwide come to Jefferson Lab to conduct and collaborate on research.