
At the heart of the center is the Black-Hole Lab[1]” (located in 74-2060) and its advanced computer clusters NewHorizons and BlueSky,[1] and gravitySimulator[1].

The facility also includes a supercomputer lab, which is equipped with 1000 processors, interconnected with a high-performance networking system. NewHorizons is a 736 processor Linux cluster with 3 TB of onboard RAM and over 100 TB of storage.

Two large displays continually show presentations on gravitational waves and black holes. A mirror from LIGO Hanford is on permanent display in front of the lab. This mirror is a key component of the LIGO interferometer, which detects gravitational waves.

Scientists at the center utilize these resources to conduct groundbreaking research in gravitational physics. They contribute to the rapid growth of this field by leveraging advanced computing capabilities and state-of-the-art facilities.

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