

LIGO Vision

LIGO I Science Run: 2002 - 2004+
LIGO II Upgrade (MRE to NSF 10/2000): 2005 +

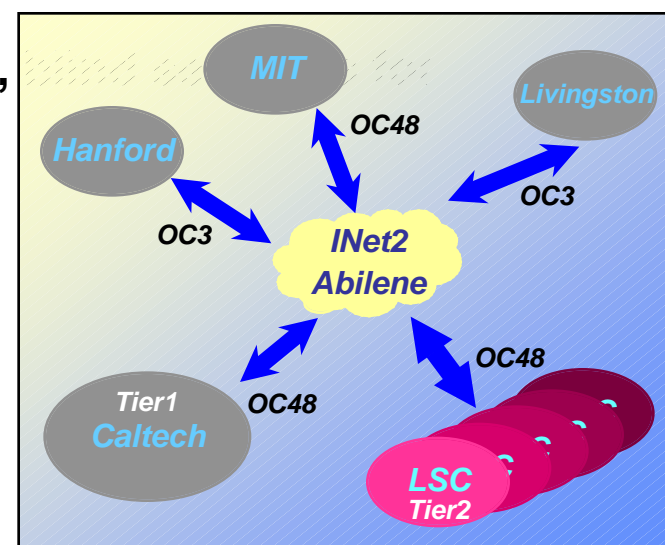
Principal areas of GriPhyN applicability:

Main data processing (Caltech/CACR)

- ◆ Enable computationally limited searches (e.g., periodic sources)
- ◆ Access to LIGO deep archive (@Tier1)
- ◆ Access to Observatories (WAN enhancement)

Science analysis environment for LIGO Scientific Collaboration

- ◆ Tier2 centers: shared LSC resource
 - Long Range Plan is still needed
- ◆ Exploratory algorithm, astrophysics research with LIGO reduced data sets
- ◆ Distributed I/O layer and processing layer builds on existing APIs
- ◆ Data mining of LIGO (event) metadatabases
- ◆ LIGO data browsing for LSC members, outreach



LIGO Cost Estimate

