

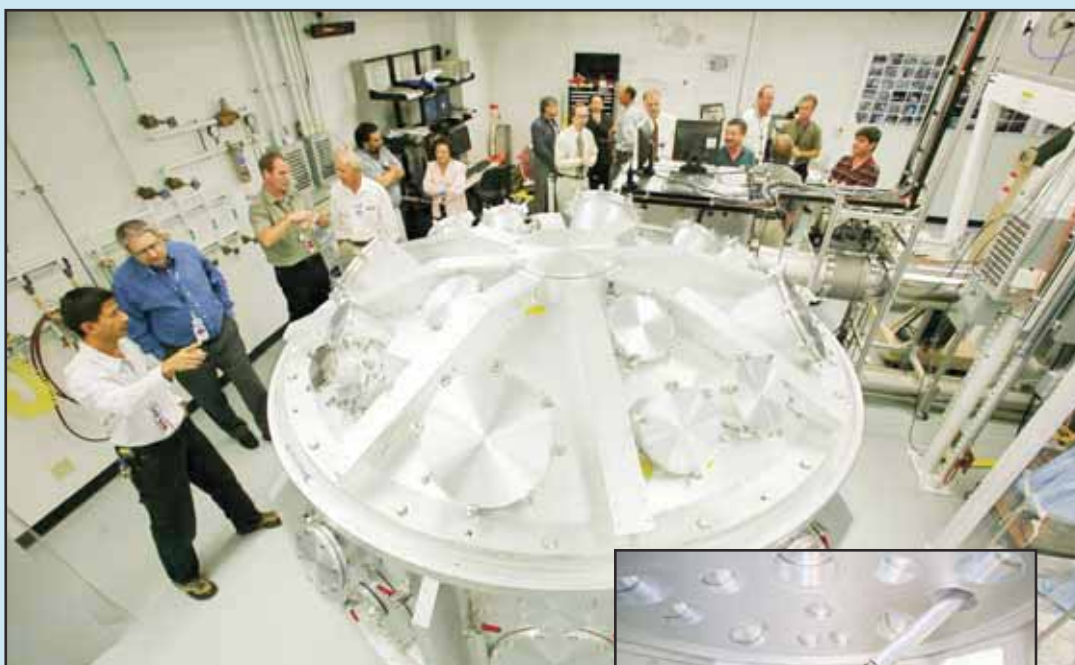
NEWSLINE

Published weekly for employees of Lawrence Livermore National Laboratory

Friday, October 21, 2005

Vol. 30, No. 41

Taking pulse of new Titan



JACQUELINE MCBRIDE/NEWSLINE

Using parts from Nova and other now-dismantled Laboratory lasers, physicists have developed the new intense-short-pulse Titan laser. The Titan team dedicated the laser last week during an open house event.

When complete, Titan will be the Laboratory's first combined long pulse (nanosecond) and ultra-short pulse (sub-picosecond) laser operating at hundreds of joules in each of its two beams. It is one of only three petawatt-class lasers in the world. "Titan is a multi-directorate success," said Titan scientific director Andrew Ng during the dedication ceremony. "It is also a clear demonstration of the tremendous expertise and dedication of the multi-directorate team." Upper: In foreground, Prav Patel (far left) of V Division describes the experiments that will be conducted on the new Titan laser to PAT Associate Director Bill Goldstein. Lower right: Dwight Price of PAT looks through one of the doors into the Titan target chamber. See the June 17 edition of *Newsline* for more details on Titan.

