

## About the Cover:

Scientist Robert Kremens is shown inserting one of the 960 scintillator-photomultiplier neutron detectors into the time-of-flight spectrometer array "MEDUSA." The array is being constructed in a separate diagnostic room 20 m from the center of the OMEGA Upgrade target chamber. Also visible in the photograph are the computer-controlled data acquisition system and one of several racks of electronics. This diagnostic will measure fuel areal density and ion temperature for pure deuterium target implosions.

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