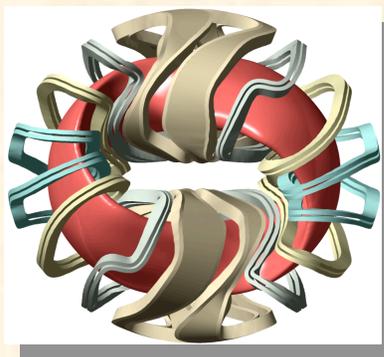


# QPS PAC Welcome and Charge



**S. L. Milora, ORNL**  
**December 11, 2002**

# **Key assumption: By 2006, we will have accomplished our current agenda**

- ✓ SNS and HFIR make ORNL the world leader in neutron science
- ✓ Nanoscience center anchors materials research
- ✓ 100-TF HPC solving major scientific problems
- ✓ Revitalized life sciences programs
- ✓ New fusion experiments running on our QPS machine



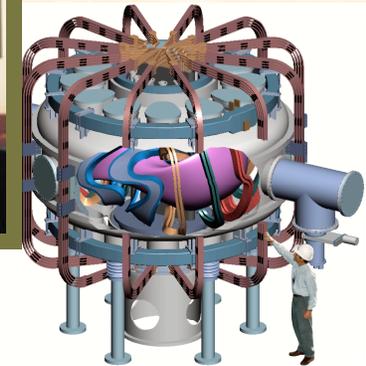
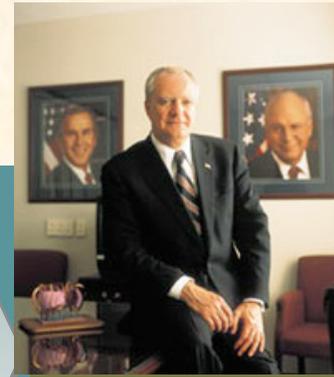
- ✓ DOE's largest energy program
- ✓ Solid national security foundation
- ✓ Major nuclear program growth
- ✓ New, modern research campus built
- ✓ 5000 visiting scientists and engineers each year

**OAK RIDGE NATIONAL LABORATORY**  
**U.S. DEPARTMENT OF ENERGY**

# FY03 Laboratory agenda goals



**Complete QPS Conceptual Design, and start Preliminary Design**



**Complete design and begin construction of Multi-Purpose High Bay Facility**



End view looking eastward

# The QPS PAC was chosen to meet QPS needs

- QPS PVR and NCSX PAC
  - H. Weitzner (chair); D. Anderson; S. Knowlton
- NCSX PAC
  - B. Blackwell; S. Luckhardt; S. Okamura; A. Weller
- PPPL NCSX Team
  - H. Neilson; W. Reiersen; M. Zarnstorff; H. Kugel
- NSTX
  - S. Kaye

# **We need your advice on our preparations for the QPS CDR**

- **Are we on the right track for an April CDR?**
  - comment on physics and engineering studies thus far**
  - comment on the work we plan before the CDR**
  - are we addressing the Physics Validation Review issues?**
- **Are there areas where we need more emphasis or arguments that need strengthening?**
- **Are there areas that we should be concerned about or have not addressed?**