

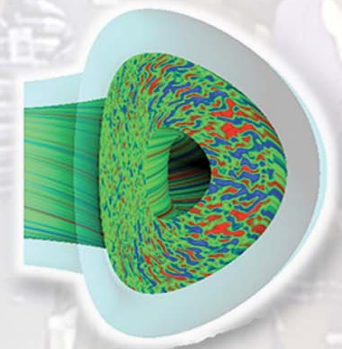
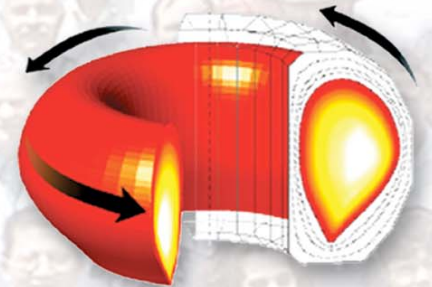
# Welcome and Charge

In the context of the LTOA completion, the start of ITER construction and planning for ITER operation ...

by  
D.E. Baldwin

Presented to  
DIII-D Program  
Advisory Committee

January 31–February 2, 2006



## CHARGE TO THE DIII-D PROGRAM ADVISORY COMMITTEE

FOR THE MEETING JANUARY 31 - FEBRUARY 2, 2006  
AT GENERAL ATOMICS

---

### CHARGE     *THE DIII-D RESEARCH PROGRAM FY06-07 AND ITER*

The Long Torus Opening is winding up in the spring of CY06. The modifications to DIII-D have been designed to provide exciting new capabilities for supporting research on the facility in the years to come. It also has become clear that the ITER Project will be starting up in the spring of CY06, with the first ITER Team beginning to form. Especially with the LTOA modifications, DIII-D brings many unique strengths to the support of ITER. It is timely, therefore, that the DIII-D research program and the resources of the DIII-D facility be increasingly coupled with ITER.

#### NEAR TERM

Does the 2006–2007 experimental plan take appropriate advantage of the new DIII-D facility capabilities and does that plan address the highest priority ITER elements (research topics) in a timely fashion?

#### LONGER TERM

Looking somewhat longer, we seek your advice on how DIII-D research results in the next 5-10 years can impact key ITER decisions.

- a)     What are the (4 or 5) most mission-critical ITER needs that DIII-D is particularly well suited to address?
- b)     What elements of our longer-range program should we strengthen to most effectively address critical ITER needs in a useful timescale?

## Charge – Near Term

- Does the 2006 – 2007 DIII-D experimental plan take appropriate advantage of the new facility capabilities, and does that plan address the highest priority ITER elements (research topics) in a timely fashion?

## Charge – Longer Term

- Looking somewhat longer, we seek your advice on how DIII-D research results in the next 5–10 years can impact key ITER decisions.
  - What are the (4 or 5) most mission-critical ITER needs that DIII-D is particularly well suited to address?
  - What elements of our longer-range program should we strengthen to most effectively address critical ITER needs in a useful timescale?