

INSTRUCTIONS FOR SUMMARY TALKS at WORKSHOP

- **At the DIII-D Strategic workshop this year we will start each topical session with a summary talk.**
- **The brief for this talk is to address**
 - ~5 year goals and/or overall fusion objective
 - *2-3 slides, set out importance and value of addressing*
 - what we know now, what we don't know,
 - *Address dimensions of what we need to do to get there, noting how far we have got on this*
 - *Physics should be at very brief summary level, not prove all points*
 - key aspects to address soon
 - *1-3 slides setting out what we should pursue*
 - *Might be one big initiative or separate out components*
 - Why DIII-D and why now?
 - *Distinctiveness and key strengths of DIII-D. Urgency*
 - Impact – if DIII-D FY19-20 work were successful
- **You may also use attached template slides if you want for specific proposal parts of your talk**

- **TEMPLATE SLIDES FOR SPECIFIC PROPOSALS (also given to 5 minute speakers) for reference and use if desired, are attached next**

INSTRUCTIONS for 5 minute talks at DIII-D workshop (and 3 alternate template slides to start from)

- **Pleased find attached 3 different types of template slide for your input at DIII-D Strategic workshop**
 - *An overall DIII-D strengths and opportunities slide*
 - *A proposal for a specific goal and FY19-20 priority*
 - *A proposal for a major thrust*
- **Thrust proposals should have clear objectives to develop improved fusion solutions or parameter access**
 - *And fold in relevant scientific work to guide & project solutions*
- ***In the interests of enabling colleagues to present and having sufficient discussion time please only present 1 or 2 slides in total at the workshop***
(Choose between above formats)
(Can pick one format and add a free format slide or split the format over two slides to add additional material)
- ***Please avoid single experiment proposals – that is the ROF, this is about identifying priority initiatives within areas, major objectives and thrusts for run time guidance***

<Title: Key Goal> A.N. Other with xxx

Use to argue specific research initiative and/or thrust

- **Long range goal***: <Text on a clear overall objective>
 - Impact on fusion energy
- **DIII-D need:**
 - <D3D unique capabilities... >
 - <why now? Past progress, urgency.>
- **Priority for FY19-20 studies**
 - Basic technique, days needed
 - Upgrades/simulation/other effort needed
 - Follow on studies to get to goal
- **Risk and deliverable**
 - Chances of success,
 - What will, result from success

Possible figure or two to give context and motivation, or show result

*Does not have to be a 3-5 year goal, might be nearer / longer term deliverable

Thrust Proposal to Research Council: Achieve xxx by <method>

Altgernate template to propose a specific thrust

- **Compelling deliverable:** Text indicating key insight
- **Impact on Fusion Energy mission:** Text
- **Outline method:** 1-2 lines
- **Why now?:** Text
- **Distinctiveness of DIII-D contribution:** Text
- **Chances of success:** Text
- **Approx run days and years to result:** x day, 1 (or 2) year effort
- **Physics area(s) involved:** Text
- **Preparation required:** Text
- **Analysis required:** Text

A thrust is a near term initiative to prioritize research to reach a clearly defined goal with maybe several days of run time per year. This may or may not be multidisciplinary.

Fill out one of these for each thrust proposal. Aiming for ~2 thrust proposals per group. Research Council will whittle these down.

Overall Strengths and Priorities for DIII-D

For your views on overall direction

- **Key strengths of DIII-D:**

- XXX

- **Key goals 3-5 years:**

- XXX

To fill out before strategic workshop and present there

- **Major efforts DIII-D should pursue in next 1-2 years:**

- <This can be a broader list to contribute to overall group discussion – don't need to follow up with research slide on every topic>
- <Point here is program wide priorities – not “my specific area”>
- **<Opportunity to flag a thrust initiative>**

Free Format Slide

- **<To explain physics more, or just spill one of the above templates over two slides>**