

# Damping Rings Technical Review Proposed Program

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## **Proposed Topics**

- DR Parameter Specifications
- Baseline Lattice Choice
  - Key Design Choices
  - Component Counts
  - Physics Issues
    - R&D
    - Required Design Studies
  - Alternate Modes of Operation
    - Compatibility with high power and 10Hz operation
    - Projections for limitations due to physics performance
- Interfaces to Adjacent Area Systems
- Layout & CFS Interface
- Documentation
- Costing
- Schedule



# TDP-II Schedule

	2011												2012											
	J	F	М	Α	Μ	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D
Lattice Development															•			•	•	•	•		,	
Redefine Damping Ring Straights																								
ALCPG11 Lattice Review	•																							
Baseline Lattice Optimization																								
Freeze Baseline Lattice	•																							
Baseline Lattice Design Summary																								
Baseline Lattice Preliminary Costing																								
CesrTA Phase I Report						•																		
Baseline Technical Review						1	<b></b>																	
Baseline Documentation and Costing																								
Baseline Lattice Physics Studies																c,				,	y to			),
Ongoing R&D Program																		, vv.	# IN	, j	yn e y			
Electron Cloud Working Group Report																								
Final Recommendations from R&D Program															<b></b>									
Update Baseline Technical Specifications																								
Incorporate Final Design Updates																								
Final Costing of Baseline Option																								
Technical Design Report Writing																								



# Agenda

## Thursday, July 7

#### Morning Session

- Introduction
- DR Parameter Specifications
- Baseline Lattice Choice
- TDP R&D Progress/Plans

#### **Afternoon Session**

- Interfaces to Adjacent Area Systems
- Layout & CFS Interface

### Friday, July 8

#### **Morning Session**

- Documentation
- Costing

#### Afternoon Session

- TDP-II Schedule
- Review Closeout
- EDMS Session



## **Preparations Timeline**

- Tuesday, April 19<sup>th</sup>: DR Lattice WebEx
  - Lattice status reports
  - Update "standard" straights design
- Tuesday, May 24<sup>th</sup>: DR Lattice WebEx
  - Lattice down-select
  - Identify critical issues for further refinement
- Tuesday, June 28th: DR Lattice WebEx
  - Group review of baseline lattice
  - Discussion of preliminary documentation for review