

DIII-D Wall Change Community Forum

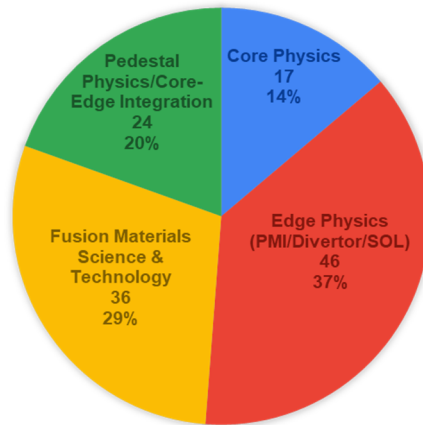
Pre-Meeting Poll Responses to Multiple-Choice Questions

Notes on consolidated results:

- 1) The "no answer" category comprises several types of responses, including "I don't know," "It depends," "No preference," "Either A, B, or C," etc.
- 2) Custom responses that consisted of more specific examples of a broader category were included in that category (e.g., responses of "lithium" were categorized as "liquid metal.")
- 3) Custom responses that did not fit above were grouped as "other material(s)."

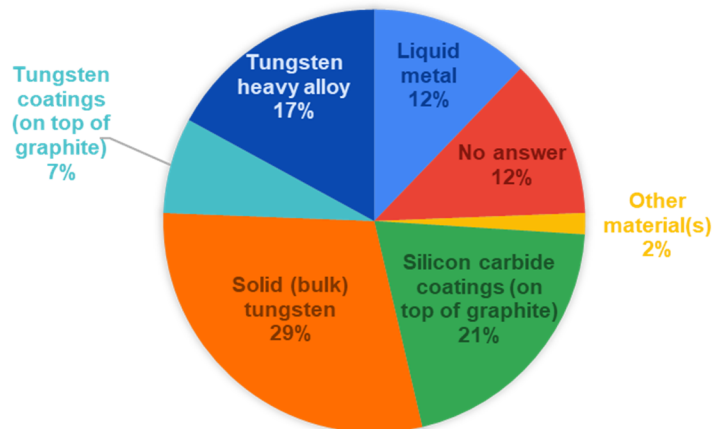
1. Area of Expertise

OF THE CATEGORIES BELOW, WHICH DO YOU CONSIDER TO BE MOST CLOSELY ALIGNED TO YOUR AREA OF EXPERTISE?



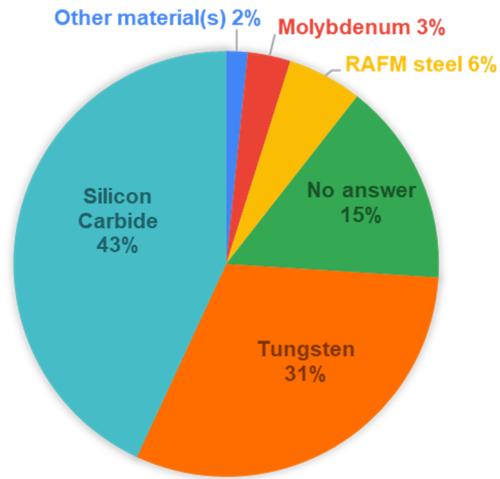
2. Material Choice – Divertor

WHAT PLASMA-FACING MATERIAL SHOULD BE USED FOR THE DIVERTOR REGIONS?



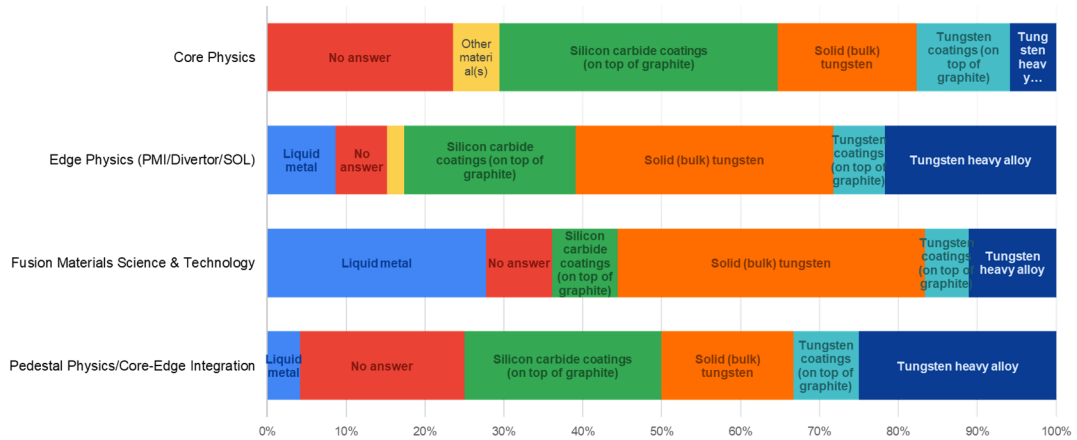
3. Material Choice – Main Wall

WHAT PLASMA-FACING MATERIAL SHOULD BE USED FOR THE MAIN WALL REGIONS (OUTSIDE OF AREAS OF HIGH HEAT FLUX)?

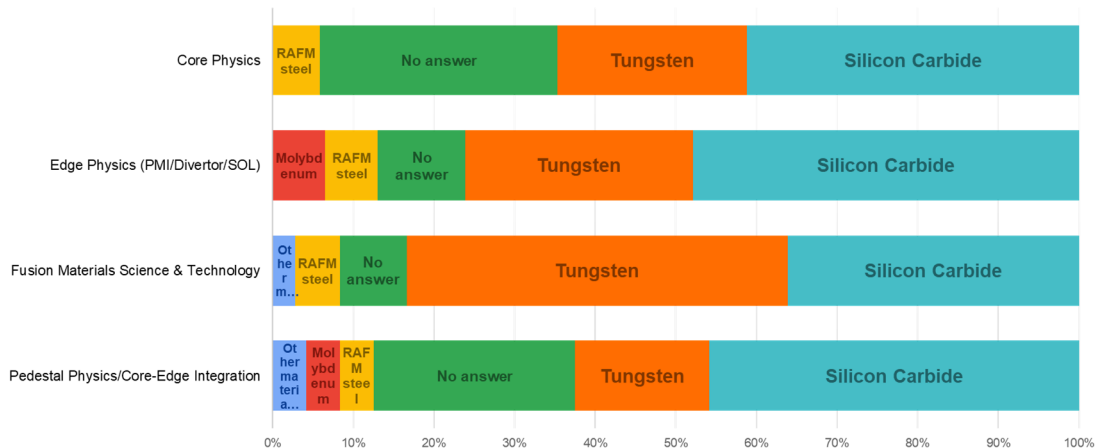


4. Cross-Tabs

WHAT PLASMA-FACING MATERIAL SHOULD BE USED FOR THE DIVERTOR REGIONS?



WHAT PLASMA-FACING MATERIAL SHOULD BE USED FOR THE MAIN WALL REGIONS (OUTSIDE OF AREAS OF HIGH HEAT FLUX)?



Of the categories below, which do you consider to be most closely aligned to your area of expertise?	What plasma-facing material should be used for the divertor regions?	What plasma-facing material should be used for the main wall regions (outside of areas of high heat flux)?
Core Physics	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Core Physics	Other material(s)	RAFM steel
Core Physics	Tungsten coatings (on top of graphite)	Tungsten
Core Physics	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Core Physics	No answer	No answer
Core Physics	Solid (bulk) tungsten	No answer
Core Physics	No answer	No answer
Core Physics	No answer	No answer
Core Physics	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Core Physics	Solid (bulk) tungsten	Tungsten
Core Physics	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Core Physics	Solid (bulk) tungsten	Tungsten
Core Physics	Tungsten coatings (on top of graphite)	Tungsten
Core Physics	Tungsten heavy alloy	Silicon Carbide
Core Physics	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Core Physics	No answer	No answer
Core Physics	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Tungsten
Edge Physics (PMI/Divertor/SOL)	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Other material(s)	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Molybdenum
Edge Physics (PMI/Divertor/SOL)	Tungsten heavy alloy	Tungsten
Edge Physics (PMI/Divertor/SOL)	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Tungsten heavy alloy	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Tungsten
Edge Physics (PMI/Divertor/SOL)	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Molybdenum
Edge Physics (PMI/Divertor/SOL)	Tungsten heavy alloy	No answer
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	No answer	No answer
Edge Physics (PMI/Divertor/SOL)	Tungsten heavy alloy	Tungsten
Edge Physics (PMI/Divertor/SOL)	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	RAFM steel
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Tungsten
Edge Physics (PMI/Divertor/SOL)	Tungsten heavy alloy	Tungsten
Edge Physics (PMI/Divertor/SOL)	Liquid metal	RAFM steel
Edge Physics (PMI/Divertor/SOL)	Tungsten heavy alloy	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Liquid metal	Tungsten
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Silicon carbide coatings (on top of graphite)	Silicon Carbide
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Edge Physics (PMI/Divertor/SOL)	Tungsten coatings (on top of graphite)	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Tungsten heavy alloy	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	No answer	No answer
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	No answer
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Silicon carbide coatings (on top of graphite)	Tungsten
Edge Physics (PMI/Divertor/SOL)	No answer	No answer
Edge Physics (PMI/Divertor/SOL)	Liquid metal	Silicon Carbide
Edge Physics (PMI/Divertor/SOL)	Solid (bulk) tungsten	Tungsten
Edge Physics (PMI/Divertor/SOL)	Silicon carbide coatings (on top of graphite)	Silicon Carbide
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Edge Physics (PMI/Divertor/SOL)	Tungsten heavy alloy	Silicon Carbide
Fusion Materials Science & Technology	Solid (bulk) tungsten	Silicon Carbide
Fusion Materials Science & Technology	Liquid metal	Other material(s)
Fusion Materials Science & Technology	Silicon carbide coatings (on top of graphite)	Silicon Carbide
Fusion Materials Science & Technology	Tungsten coatings (on top of graphite)	Silicon Carbide
Fusion Materials Science & Technology	Liquid metal	Tungsten
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Fusion Materials Science & Technology	Liquid metal	Tungsten
Fusion Materials Science & Technology	No answer	No answer
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Fusion Materials Science & Technology	Tungsten heavy alloy	Tungsten
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Fusion Materials Science & Technology	Solid (bulk) tungsten	Silicon Carbide
Fusion Materials Science & Technology	No answer	No answer
Fusion Materials Science & Technology	Tungsten heavy alloy	Tungsten
Pedestal Physics/Core-Edge Integration	Solid (bulk) tungsten	Tungsten
Pedestal Physics/Core-Edge Integration	Tungsten coatings (on top of graphite)	No answer
Pedestal Physics/Core-Edge Integration	Tungsten coatings (on top of graphite)	RAFM steel
Pedestal Physics/Core-Edge Integration	Tungsten heavy alloy	Silicon Carbide
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Pedestal Physics/Core-Edge Integration	Tungsten heavy alloy	Tungsten
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Pedestal Physics/Core-Edge Integration	No answer	No answer
Pedestal Physics/Core-Edge Integration	No answer	Silicon Carbide
Pedestal Physics/Core-Edge Integration	Tungsten heavy alloy	Molybdenum
Pedestal Physics/Core-Edge Integration	No answer	No answer
Pedestal Physics/Core-Edge Integration	Silicon carbide coatings (on top of graphite)	Silicon Carbide
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