

# Back to the Swamp



# POLL RESULTS

At this point, what among the following is more important to further develop the Swampland program?

55 responses

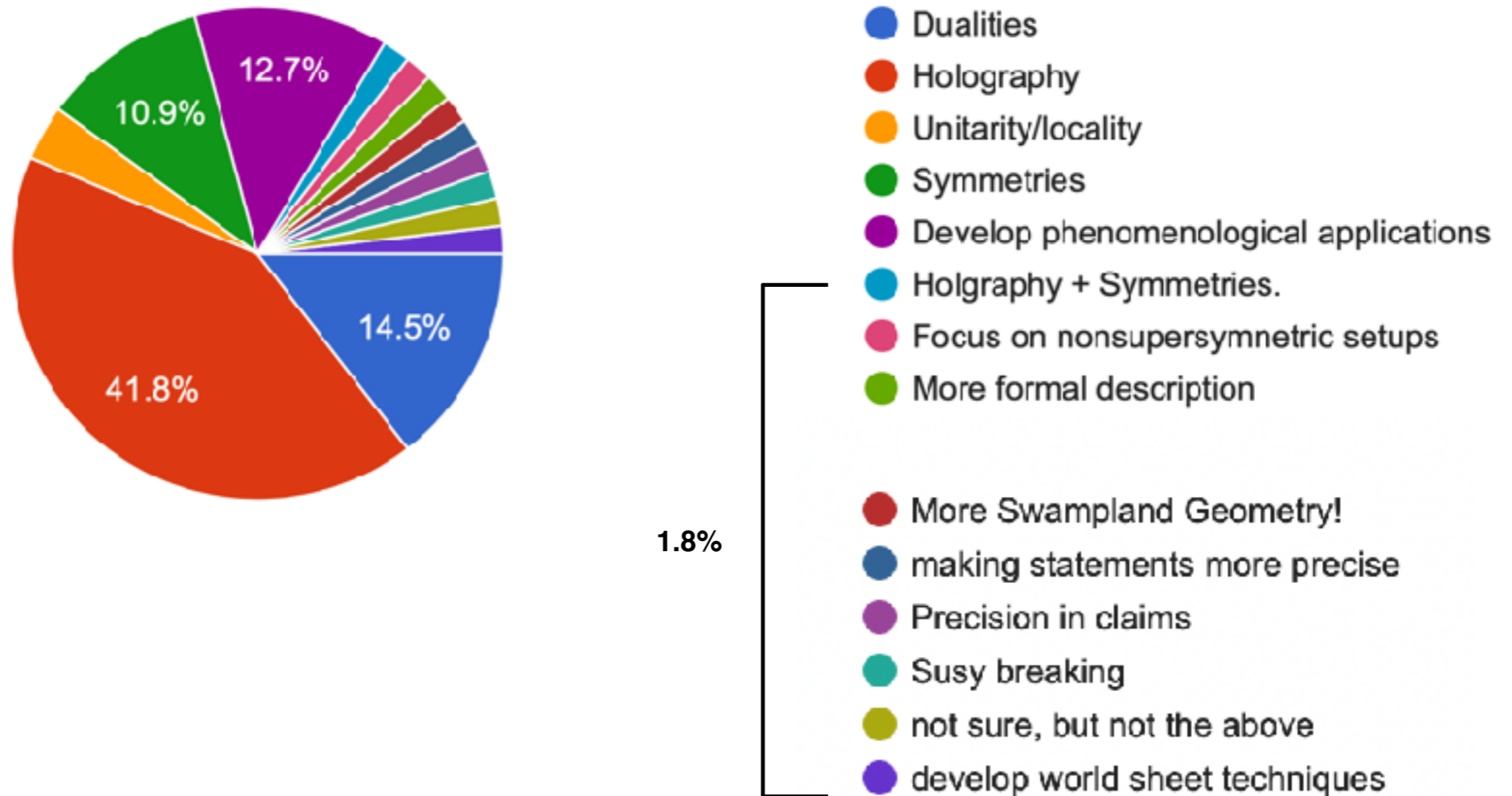
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55 responses

- Dualities
- Holography
- Unitarity/locality
- Symmetries
- Develop phenomenological applications

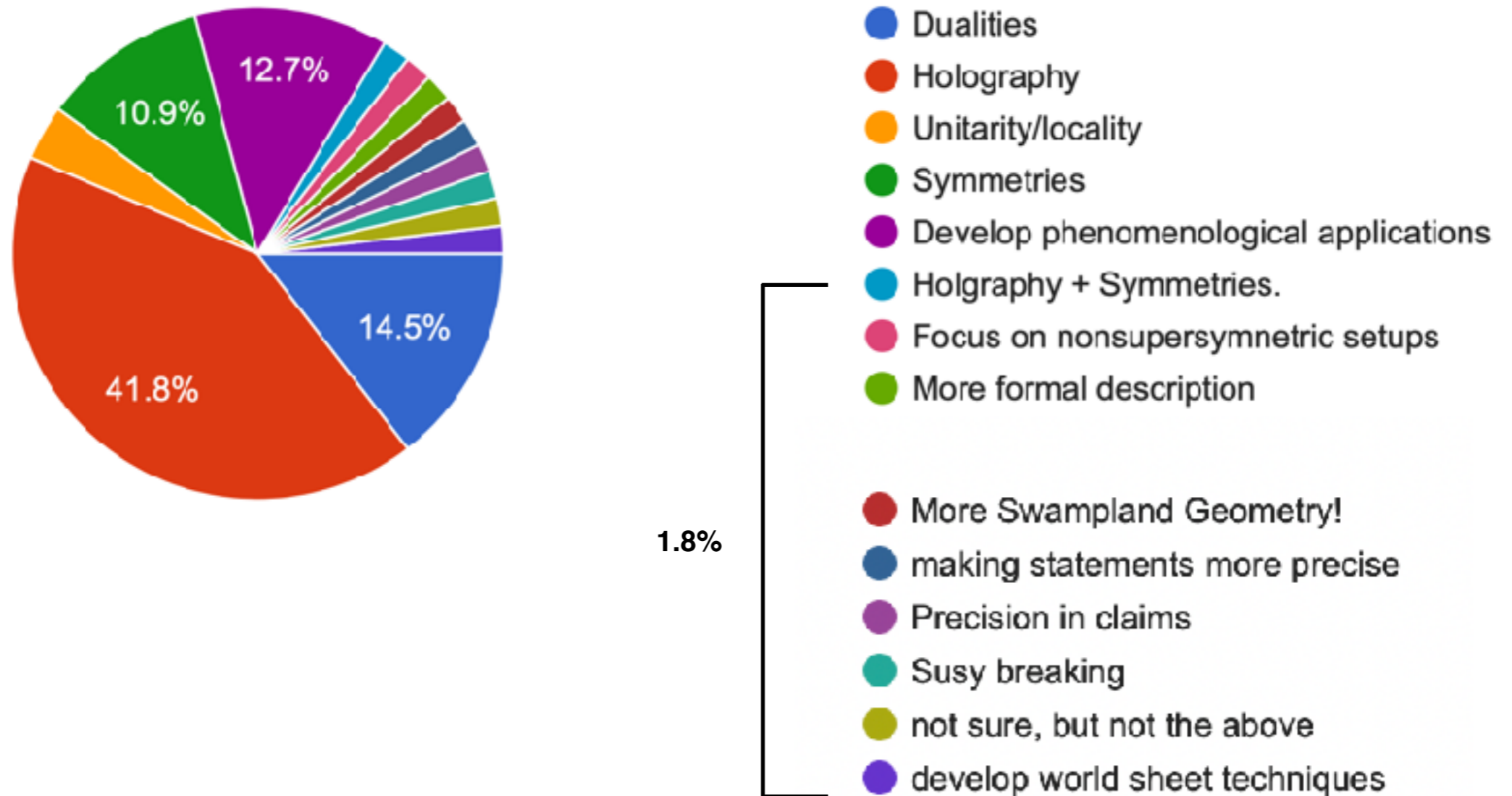
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43 responses

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43 responses

de Sitter (+12)	String universality
scale separation (+6)	Does Q-gravity require string theory
Refining the conjectures to improve their prediction	Non susy scenarios (+1)
Dark energy (+3)	Understanding the c.c. and EW hierarchies
Proofs of some conjectures, perhaps using exact CFT results in AdS cases	Unifying all tje conjectures
Determine as most of the $O(1)$ numbers from the conjectures	Is string theory in the swampland?
The cosmological constant in relation with the hierarchy problem	make testable predictions
Can we make extra dimensions invisible in string theory	How can we describe the theory above the EFT cutoff?
How to reliably remove scalars & stabilize moduli	M-Theory
More knowledge of QG!!!!	
Characterizing the extent to which generalized symmetries must be broken in QG	
black hole information	Understand generalized finiteness constraints
Implications of holographic properties	Naturalness issues

How do you think that the Swampland program will be in 10 years from now?

56 responses



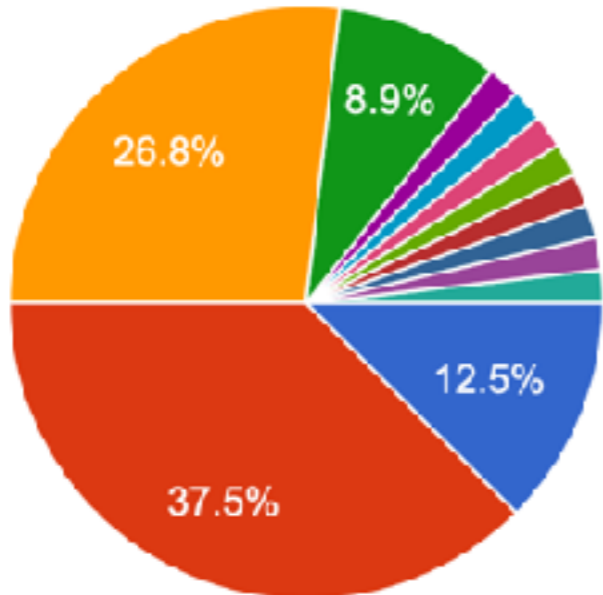
## How do you think that the Swampland program will be in 10 years from now?

56 responses

- Dead
- It will have developed but we will asking similar questions
- It will evolve and involve a larger **community** of physicists
- It will have made contact with experiment

# How do you think that the Swampland program will be in 10 years from now?

56 responses



- Dead
- It will have developed but we will asking similar questions
- It will evolve and involve a larger community of physicists
- It will have made contact with experiment
- I think it will be enough at some point to restrict FT space
- It will dilute within the larger body of knowledge in ST
- Developed into something new.
- in hibernation
  
- How would I know
- It will evolve into something different, only the community will remain
- hopefully it will make progress on characterizing properties of theories consistent with quantum gravity
- We will formulate a selfconsistent set of features every quantum gravity theory should have, ask an AI how QG should be formulated

Do you think that there is deeper structure underlying swampland ideas into a single framework?

55 responses

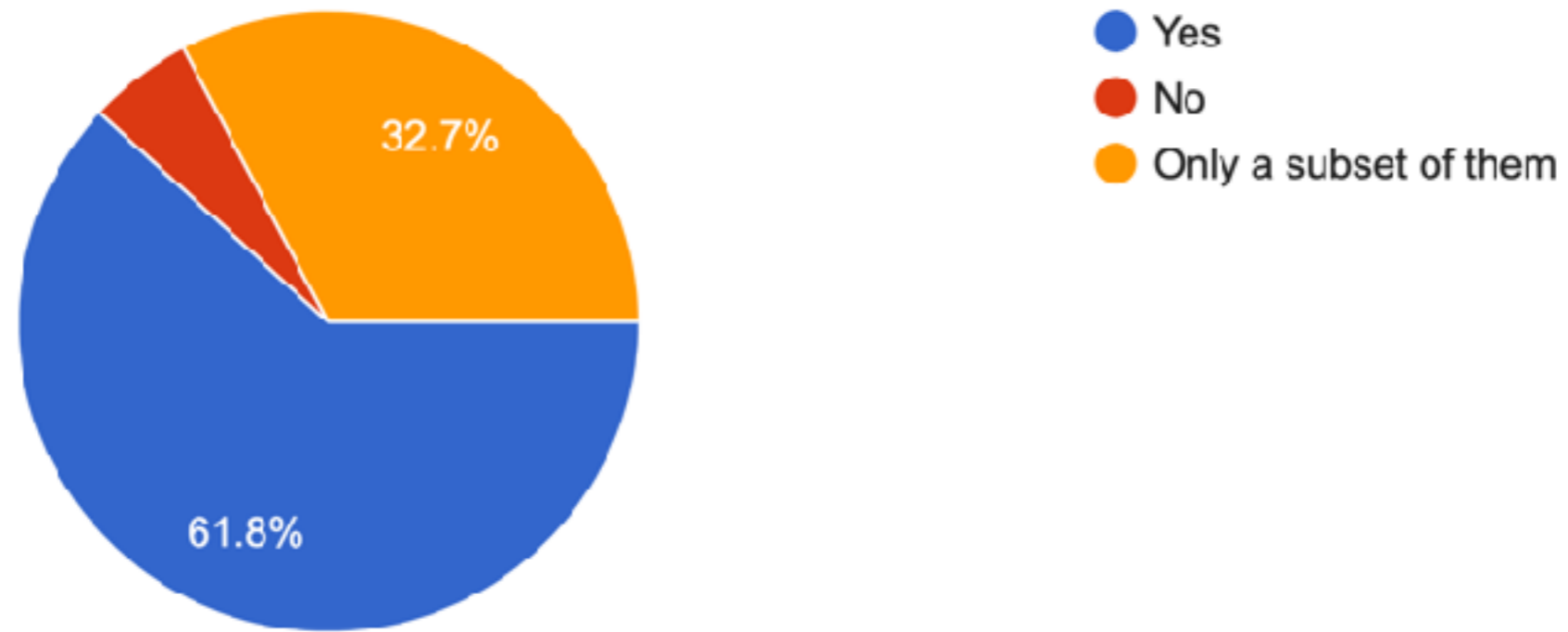
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55 responses

- Yes
- No
- Only a subset of them

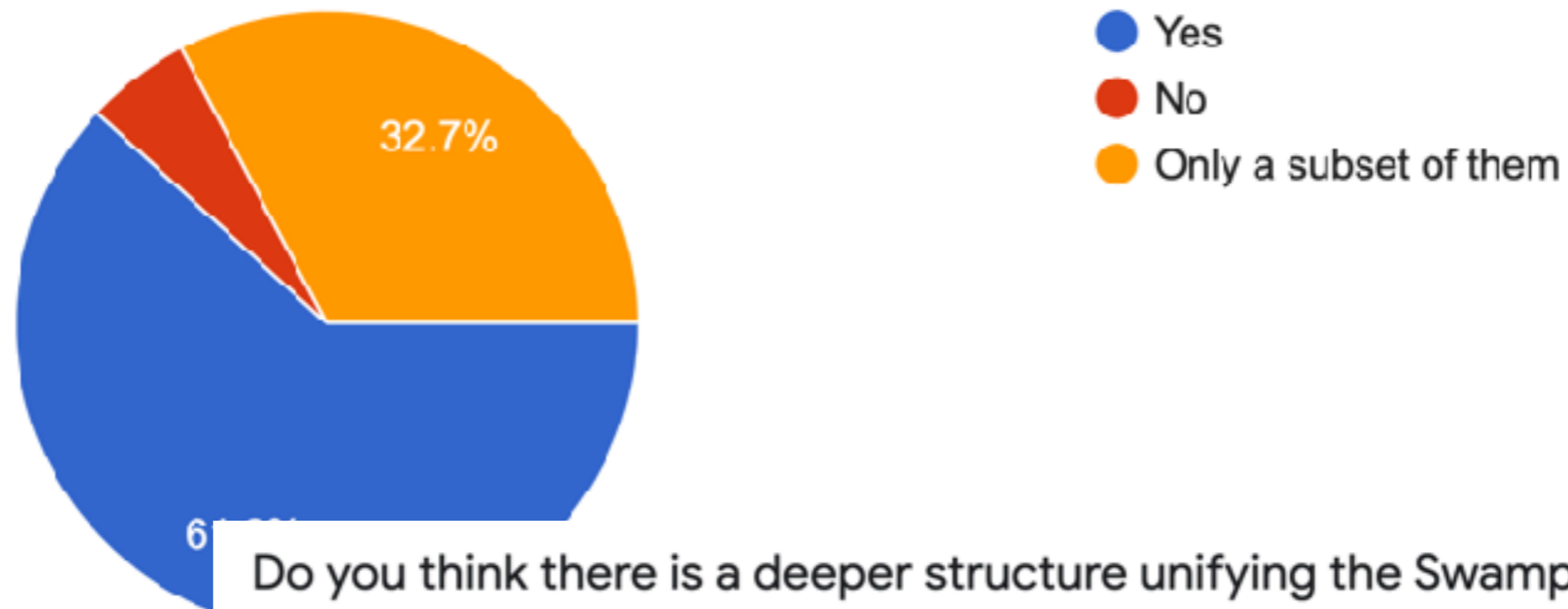
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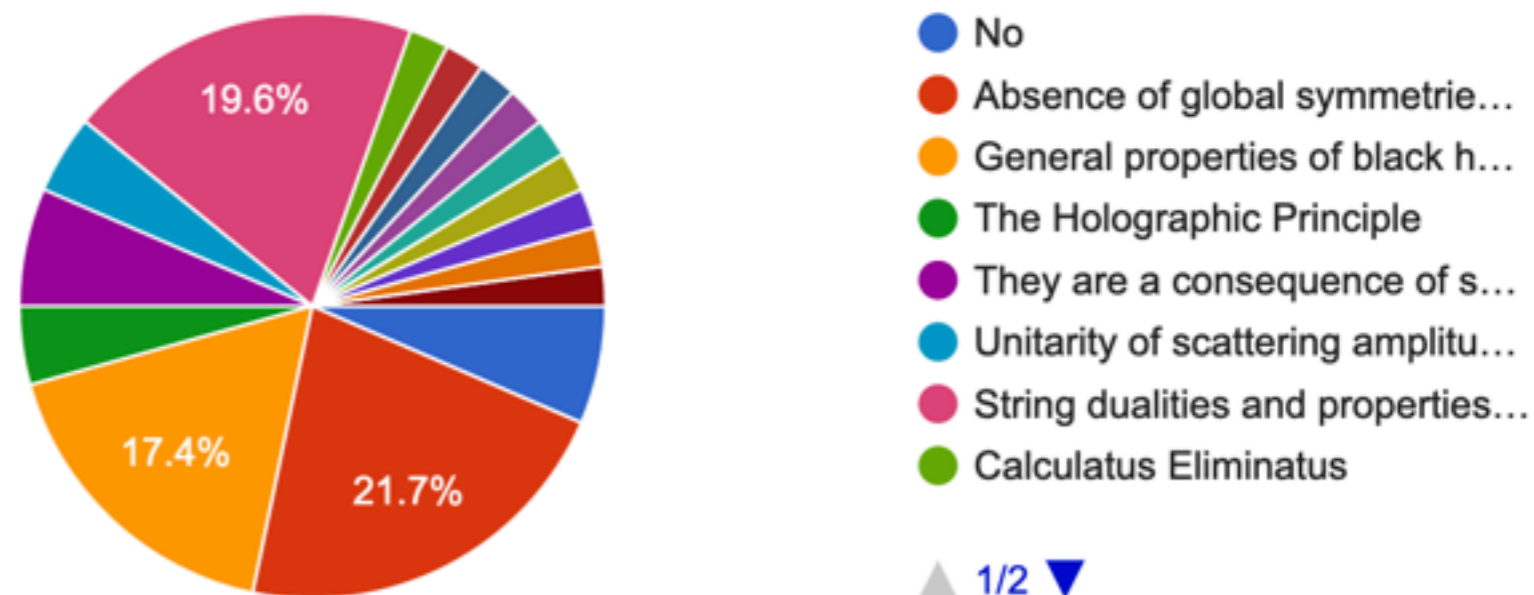
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## Do you think there is a deeper structure unifying the Swampland ideas in a single framework?

46 responses



Do you think there exist  $d > 3$  Quantum Gravity theories besides string theory?

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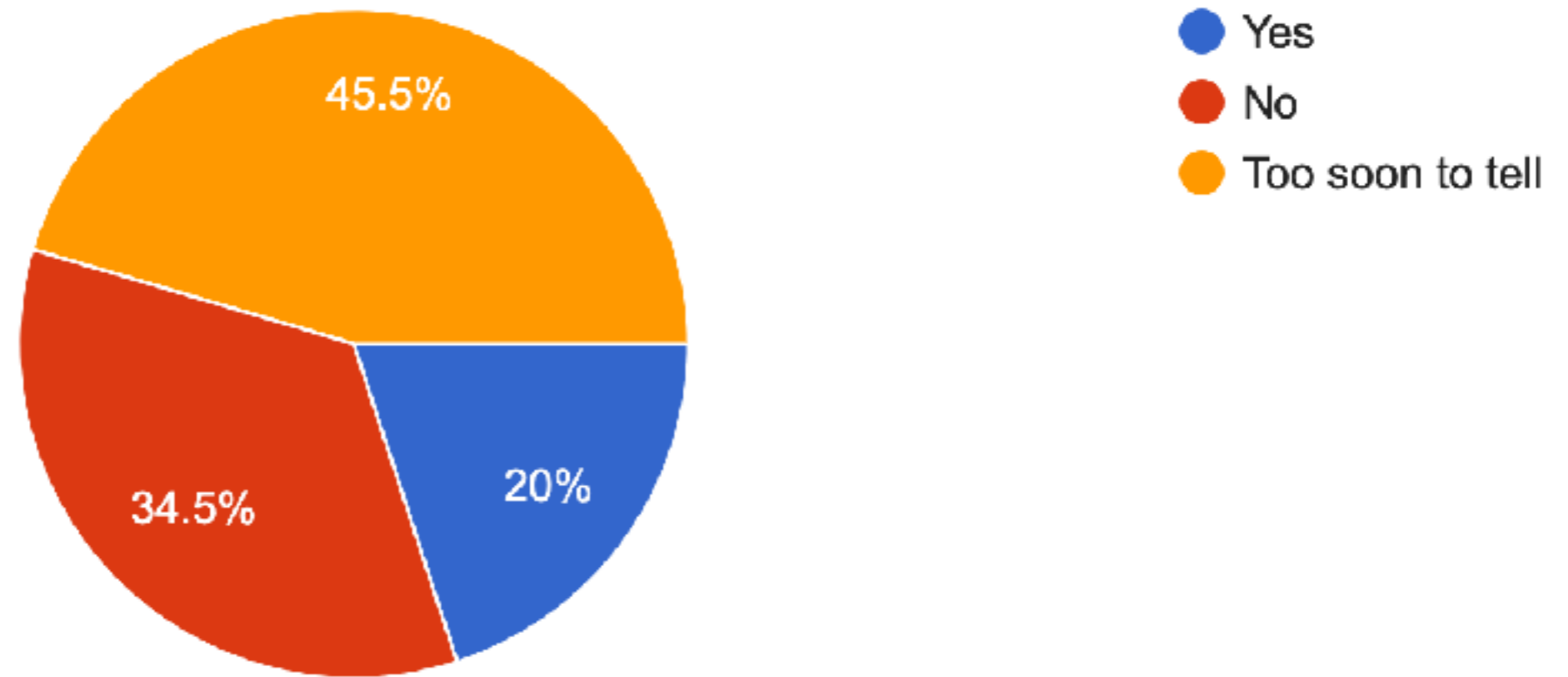
55 responses

- Yes
- No
- Too soon to tell



# Do you think there exist $d > 3$ Quantum Gravity theories besides string theory?

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Do you think that there are QG consistent infinite families of AdS vacua featuring scale separation?

51 responses

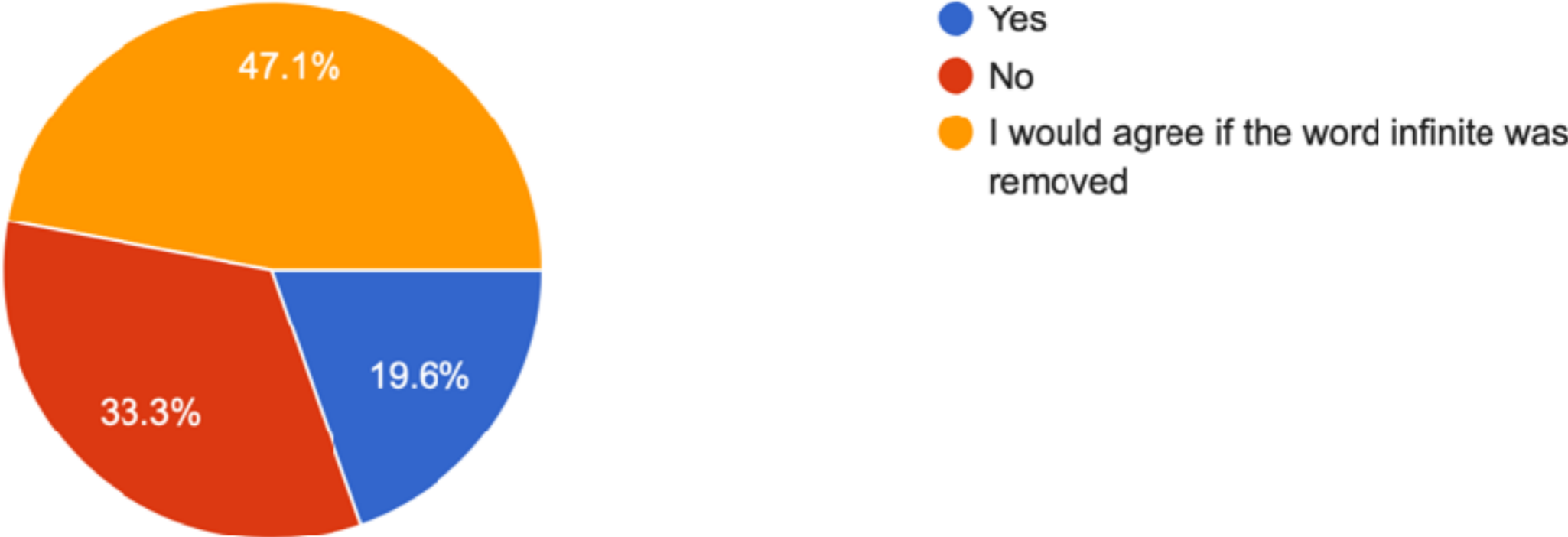
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51 responses

- Yes
- No
- I would agree if the word infinite was removed

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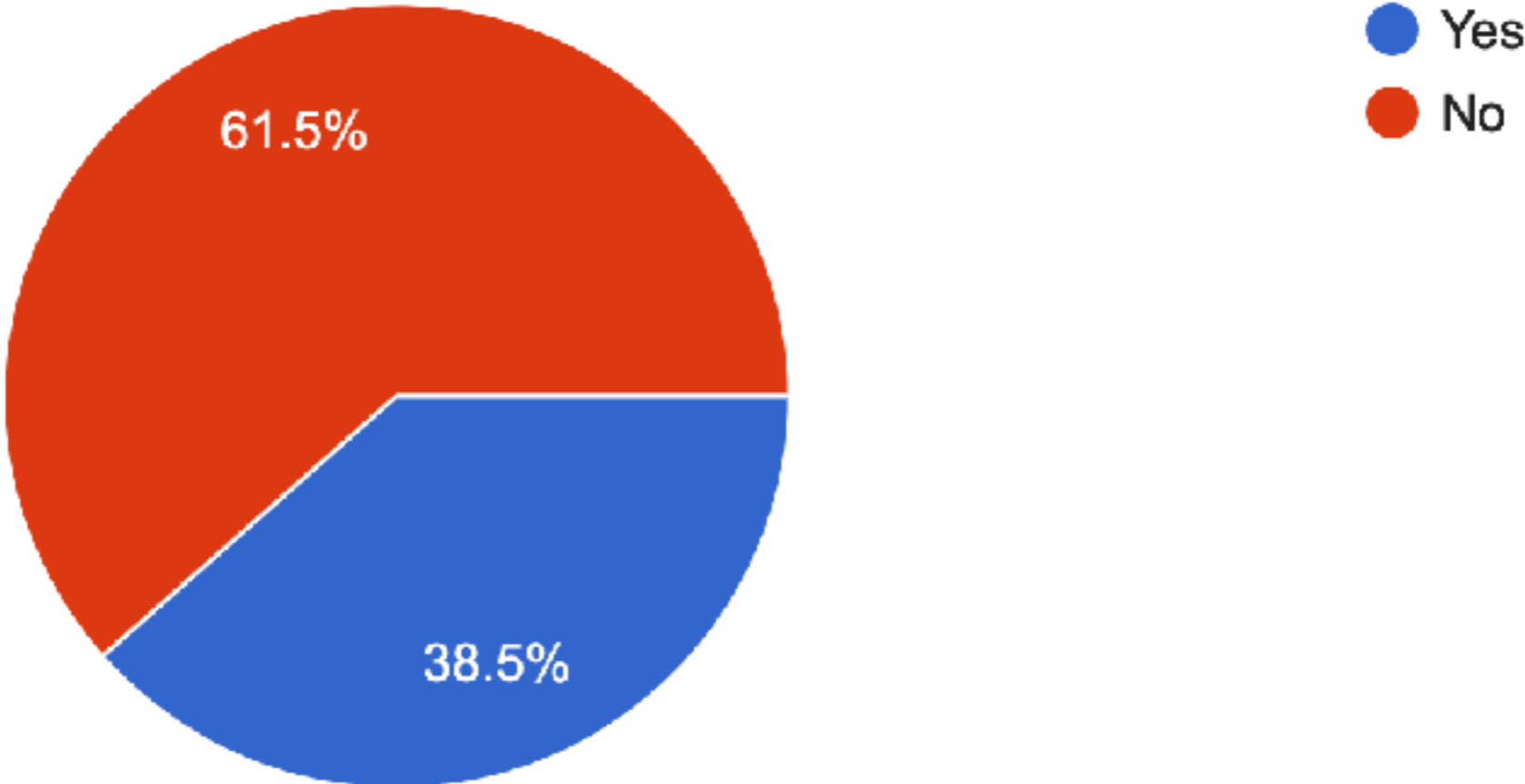


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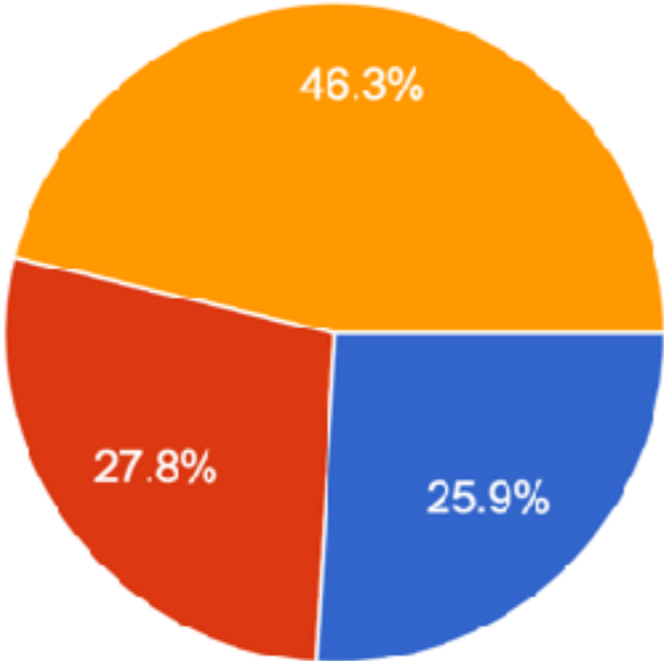
54 responses

- Yes
- No
- Yes, but we have not found them yet



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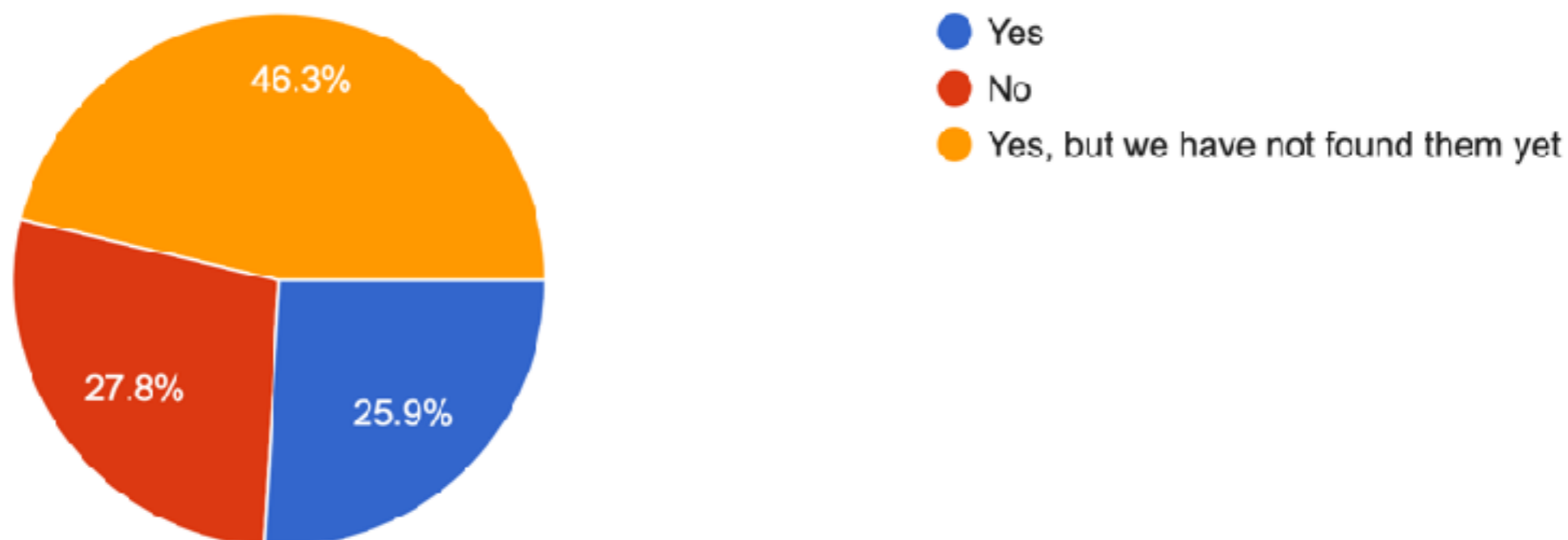
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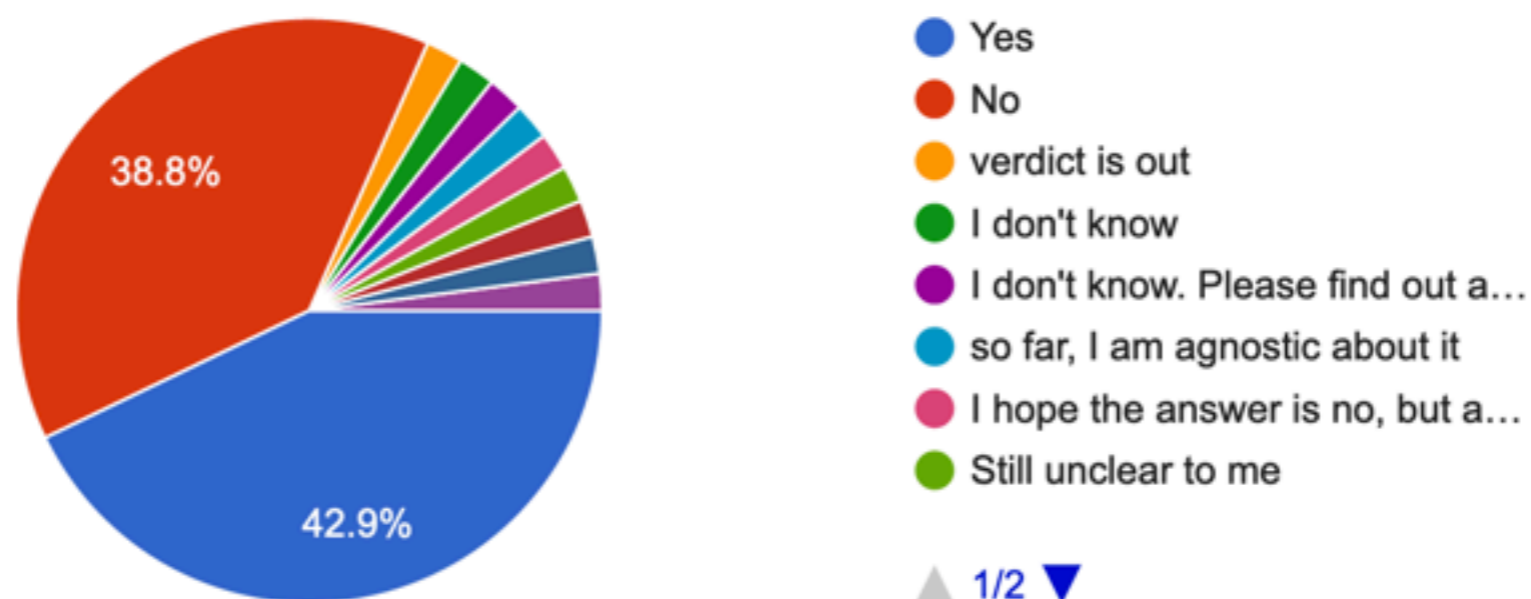
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Do you believe that long-lived metastable dS vacua are in the swampland?

49 responses

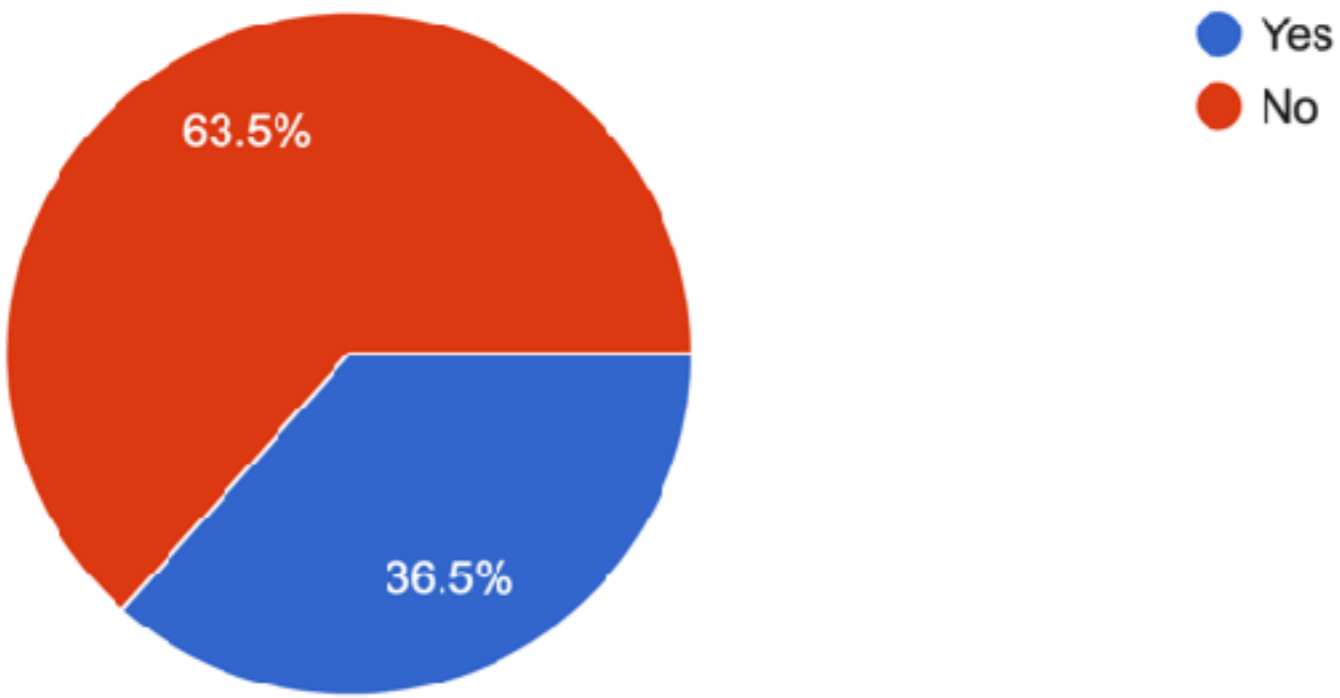


Do you think that the AdS/dS Distance conjecture implies that there is a tower of very light states in our universe?

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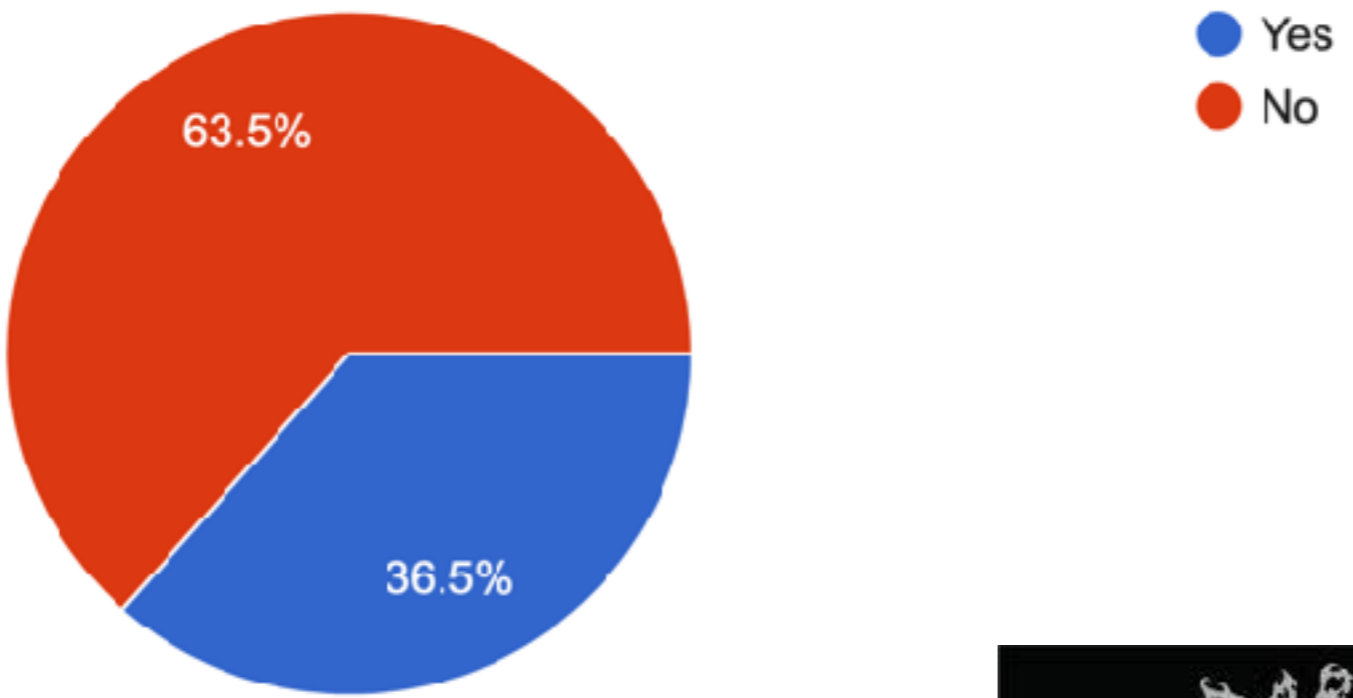
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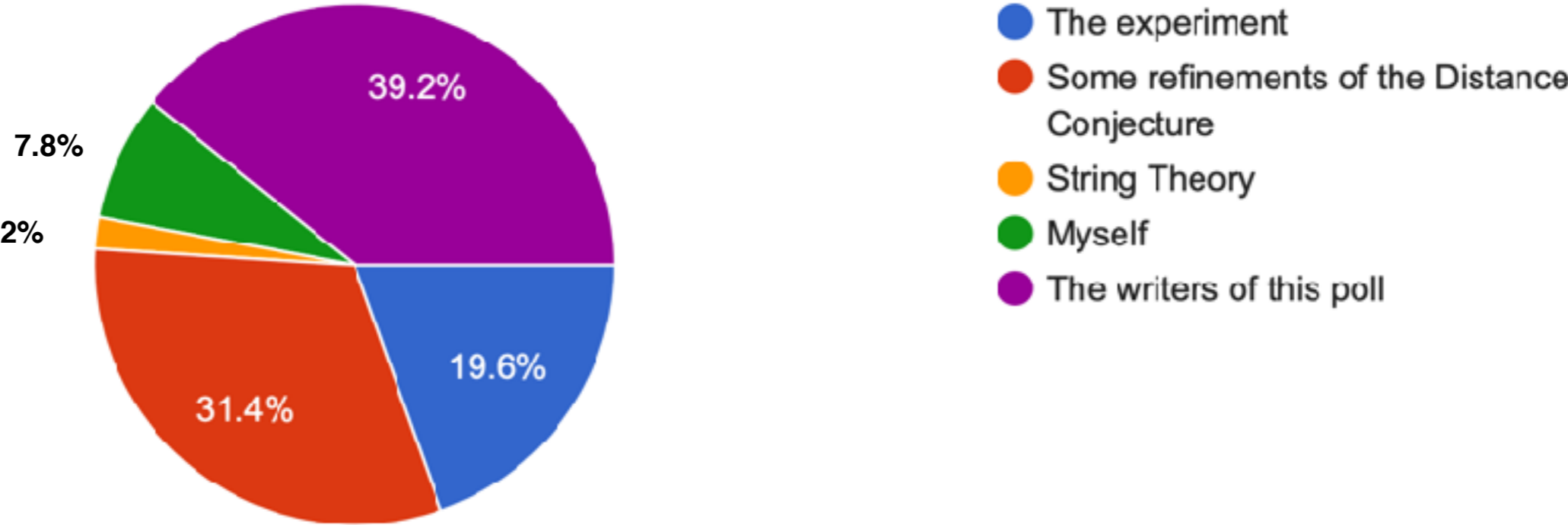
Imagine that a new experiment claims sizeable primordial B-modes? What do you throw to the trash?

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- The experiment
- Some refinements of the Distance Conjecture
- String Theory
- Myself
- The writers of this poll

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**A big THANK YOU to our Swampland guides  
& conference organisers**

