

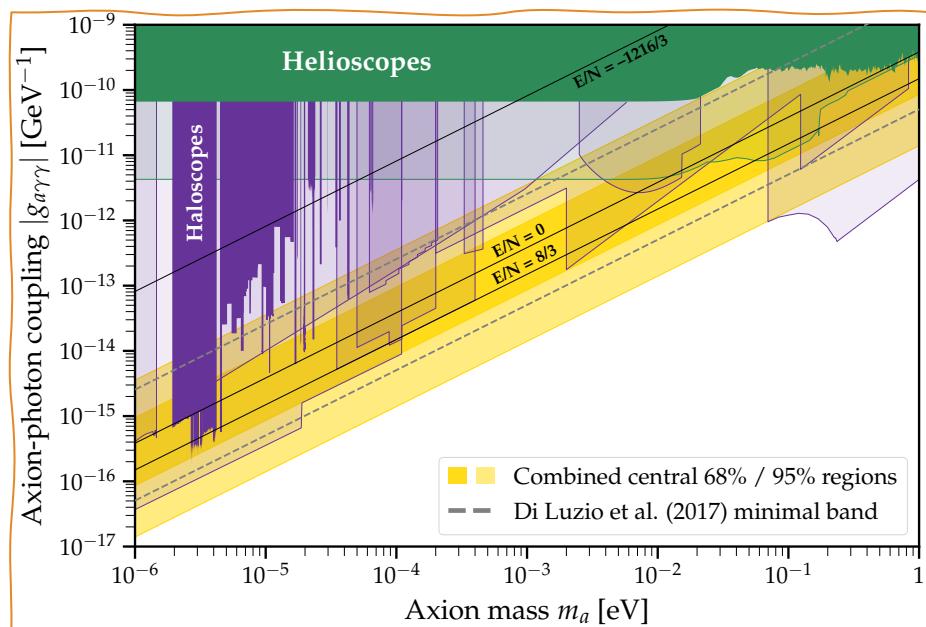
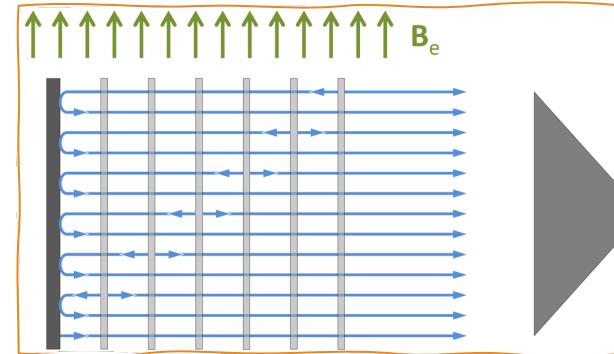
# Johannes Diehl

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## QCD Axion Phenomenology and Data Analysis for the experiment

### MAgnitized Disk and Mirror Axion eXperiment

- Coherent photon emission from disks
- Constructive interference + slight resonance



### My focus

- Non-parametric background subtraction
- Stopping criterion
- Full Bayesian Analysis

Theoretical (prior)  
belief for non-  
minimal (DFSZ-type)  
QCD axion models  
arXiv: [2302.04667](https://arxiv.org/abs/2302.04667)



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