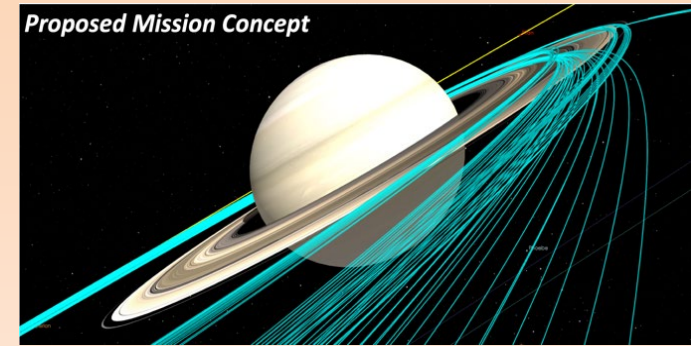


Saturn Ring Skimmer Mission Concept

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- Innovative trajectory design
- Explores inner Saturn system with a proximity and frequency that were previously thought to be impossible with current technology and feasible costs.
- Multi-disciplinary mission
 - Saturn Rings
 - Plasma and Magnetosphere
 - Ring Atmosphere and Neutral Gas
 - Saturn Atmosphere
 - Saturn Interior
- Four Science Goals/Themes
 - What processes shape particle-rich astrophysical disks?
 - What are the origins and fate of Saturn's rings?
 - How do planets and magnetospheres co-evolve with their rings?
 - What are the dominant dynamical processes in Saturn's interior?
- We advocate for the New Frontiers list to include an entry that addresses Inner Saturn System Science.



- Core instruments
 - Imaging
 - Mass Spectrometer
 - Dust Detector
 - Plasma Wave Detector
 - Magnetometer
 - Gravity Science