

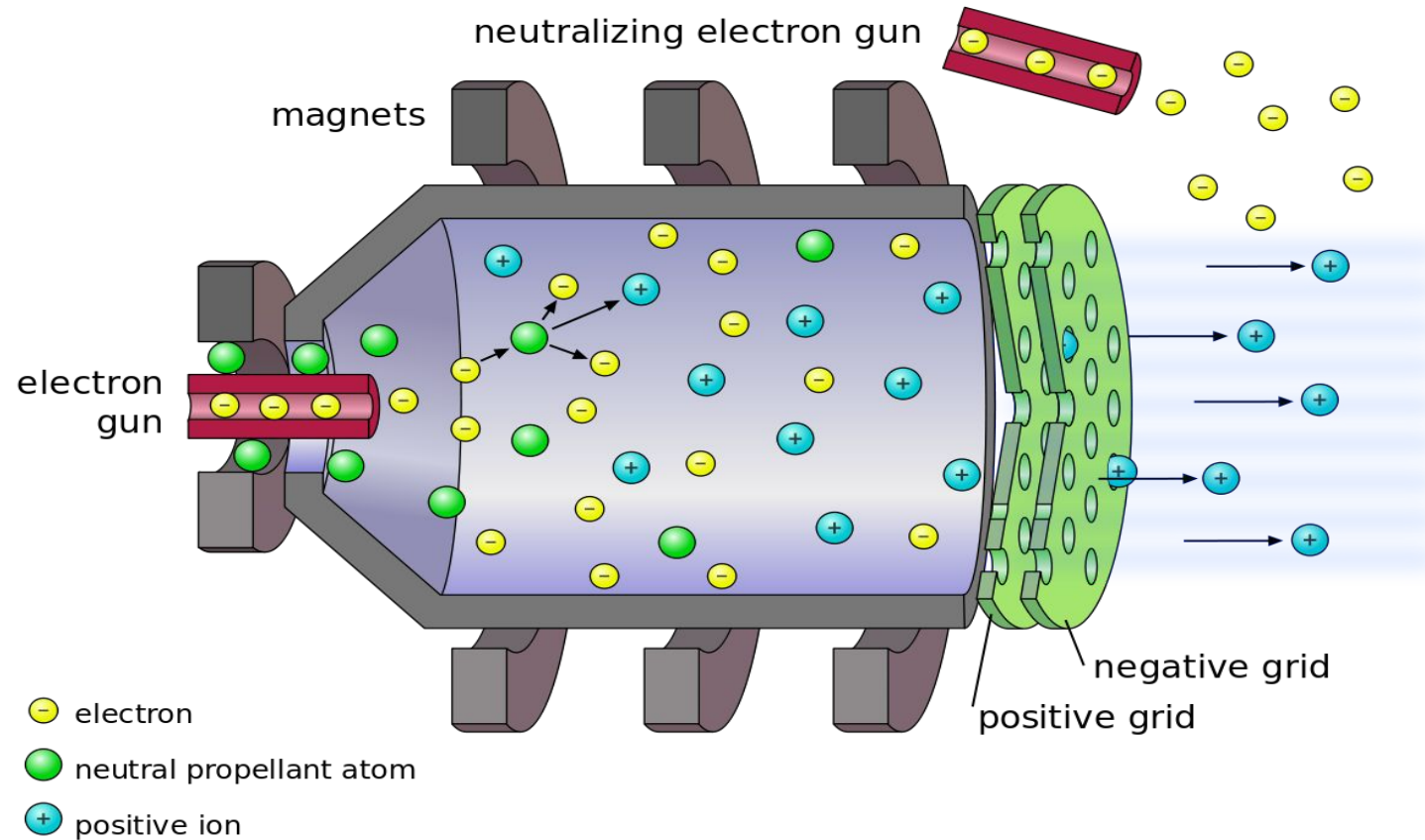
New Technologies Could Make Interstellar Travel Real

Presenter: Vladislav Nezhura

Plan

- Ion engine
- Breakthrough Starshot project
- How to power an engine

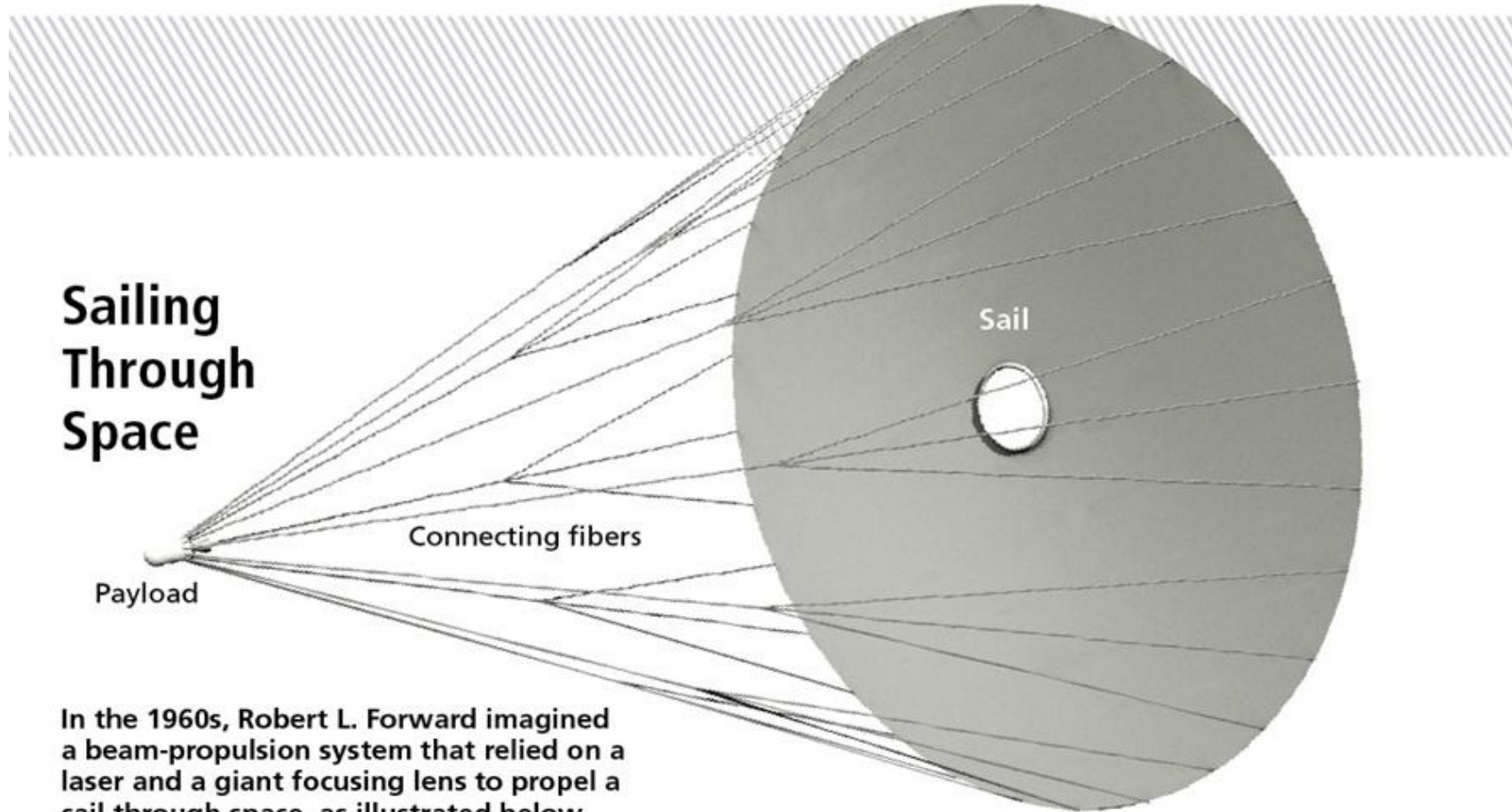
Ion engine



Is more efficient than rocket engine

Requires large amounts of energy

Breakthrough Starshot

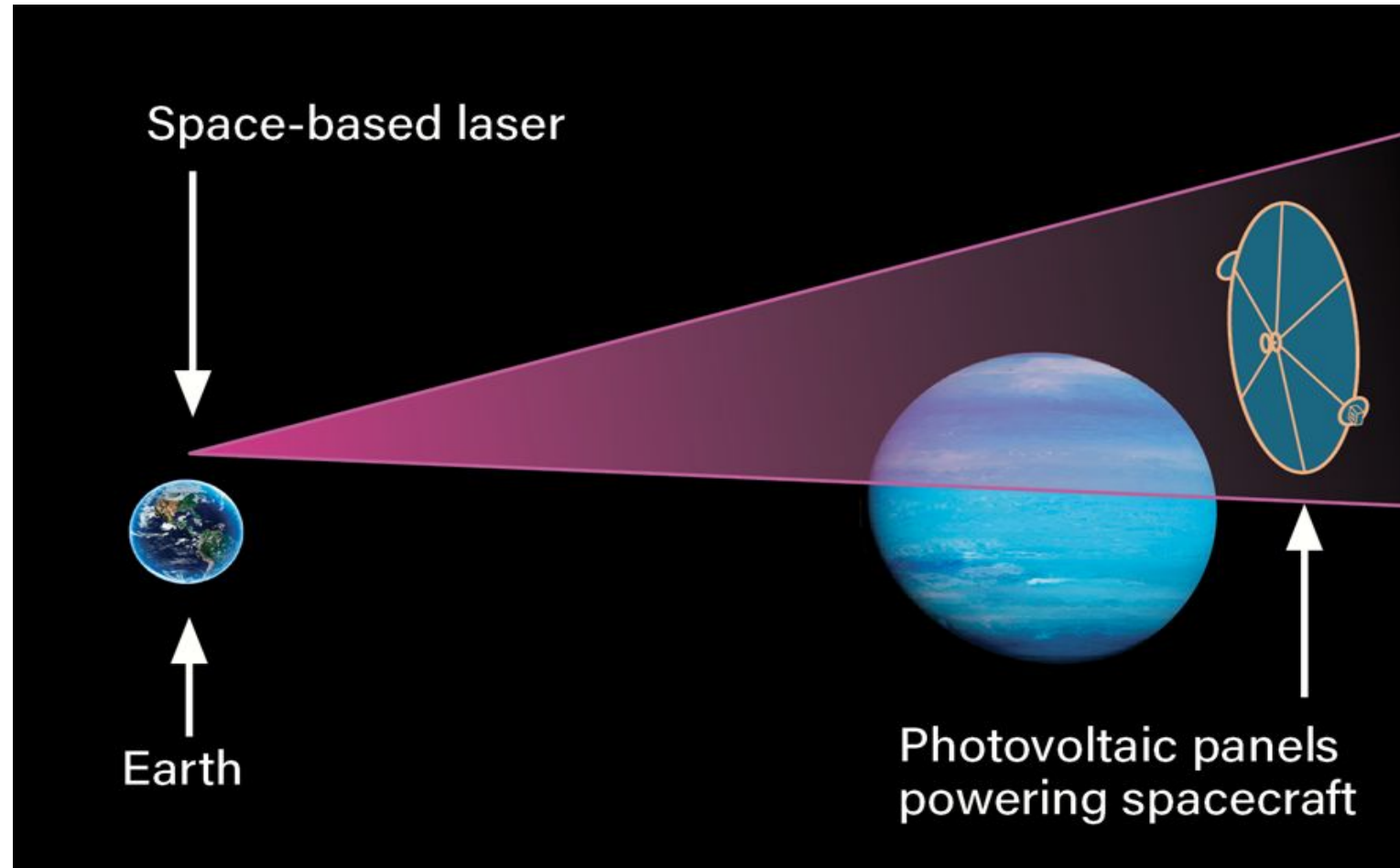


In the 1960s, Robert L. Forward imagined a beam-propulsion system that relied on a laser and a giant focusing lens to propel a sail through space, as illustrated below.



After the laser's light is focused onto the large, flat sail (with its comparatively tiny payload), the sail could achieve truly impressive velocities without needing to store or process fuel.

How to power an engine



Summary

- Ion engine
- Breakthrough Starshot project
- How to power an ion engine

Thank you for your attention!