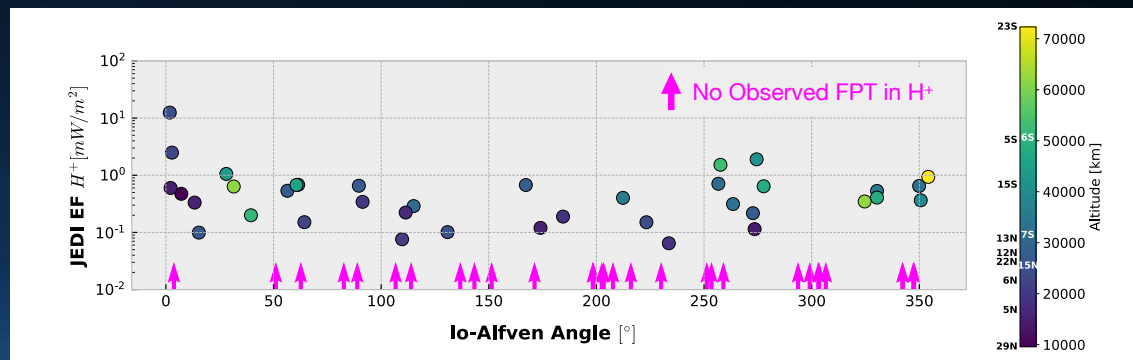
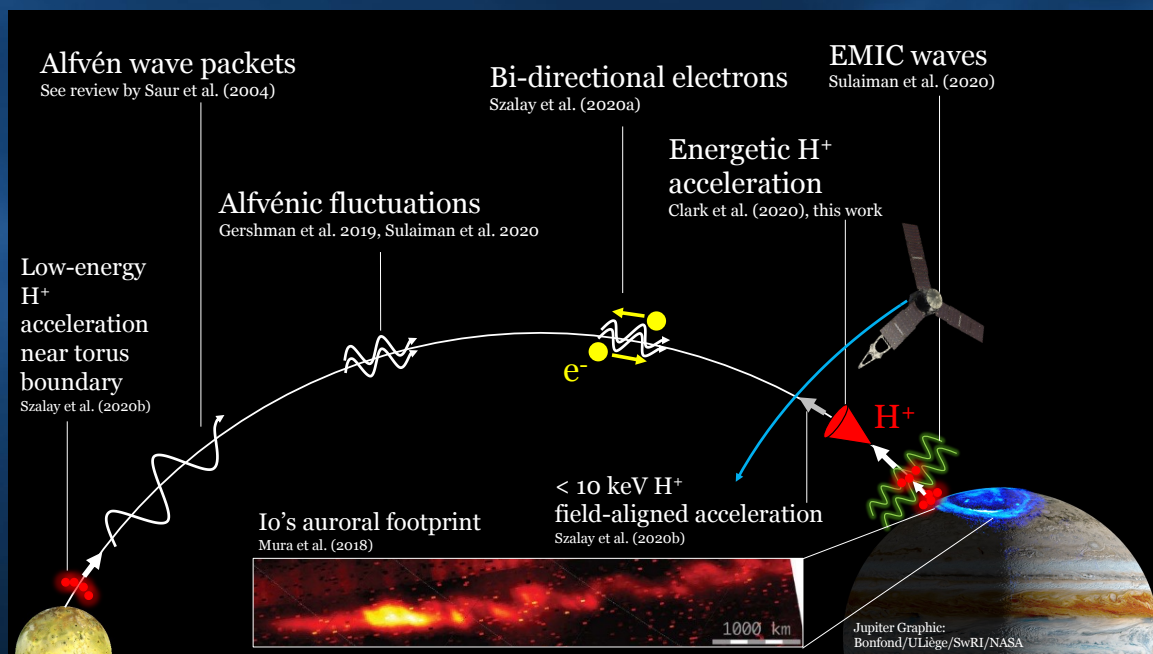


Energetic H⁺ Outflow Associated with Io's Auroral Tail



*Energetic outflow is active along the full extent of Io's auroral tail.
The energy flux grows exponentially near the main Alfvén wing.*



Io-Jupiter coupling processes revealed by NASA's Juno mission.

NASA's Juno mission reveals the importance of proton acceleration linked to the Io-Jupiter interaction. In this comprehensive analysis of Juno/JEDI observations, we find the following:

- Protons are routinely accelerated in Io's auroral tail
- Io's Main Alfvén Wing produces the most intense acceleration
- Analysis of the lower-energy electron and plasma waves observations suggest that electromagnetic ion cyclotron waves are the generator