Europa's ice shell appears thick

Juno's microwave radiometer provides first view into ice shell

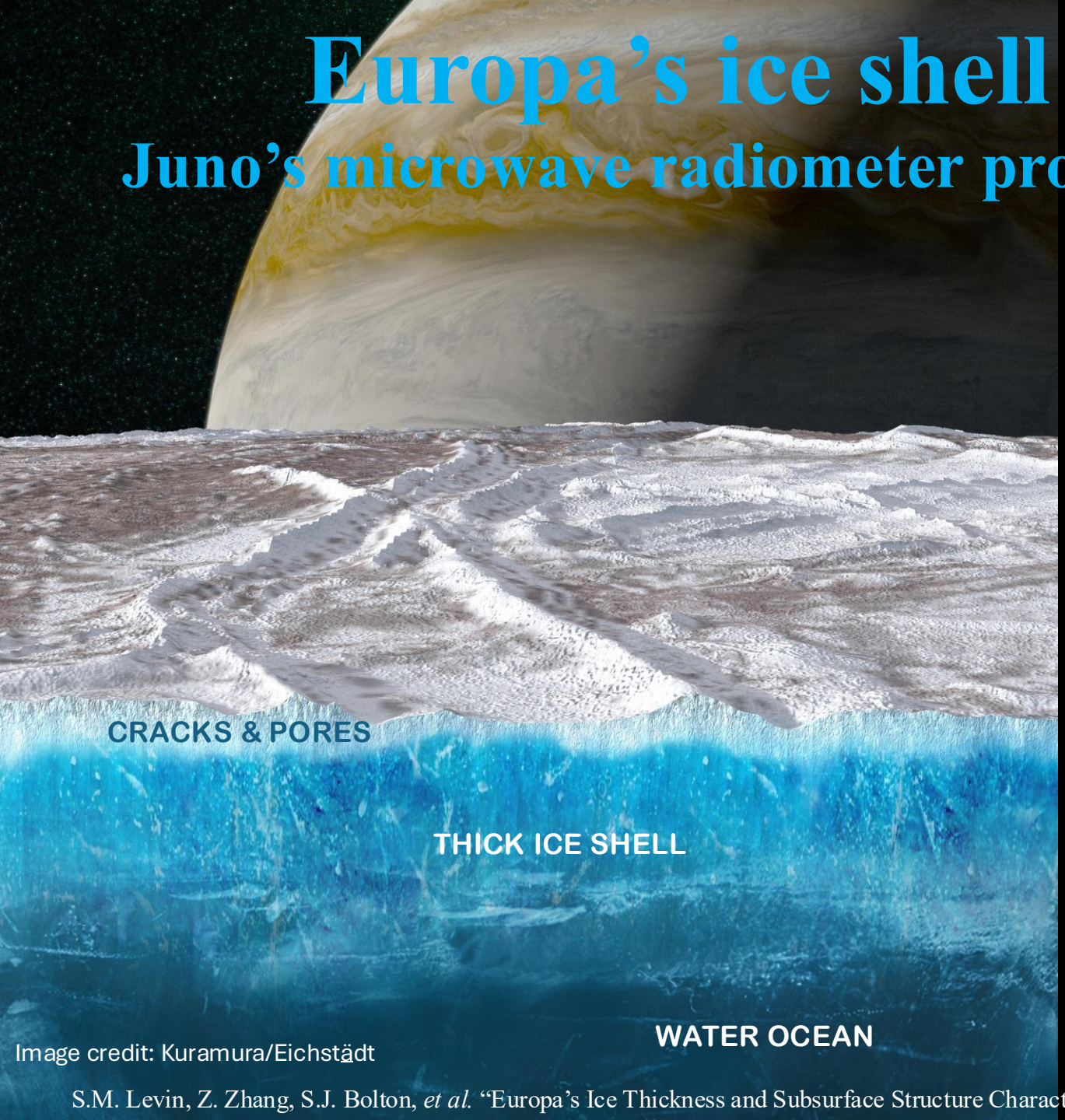

Image credit: Kuramura/Eichstädt

Temperature vs depth profile indicates a 29 km thick ice shell.

Microwave reflections reveal small defects in the upper 200 m of the ice.

S.M. Levin, Z. Zhang, S.J. Bolton, *et al.* "Europa's Ice Thickness and Subsurface Structure Characterized by Juno Microwave Radiometer". *Nature Astronomy* **10**, 84–91 (2026).