

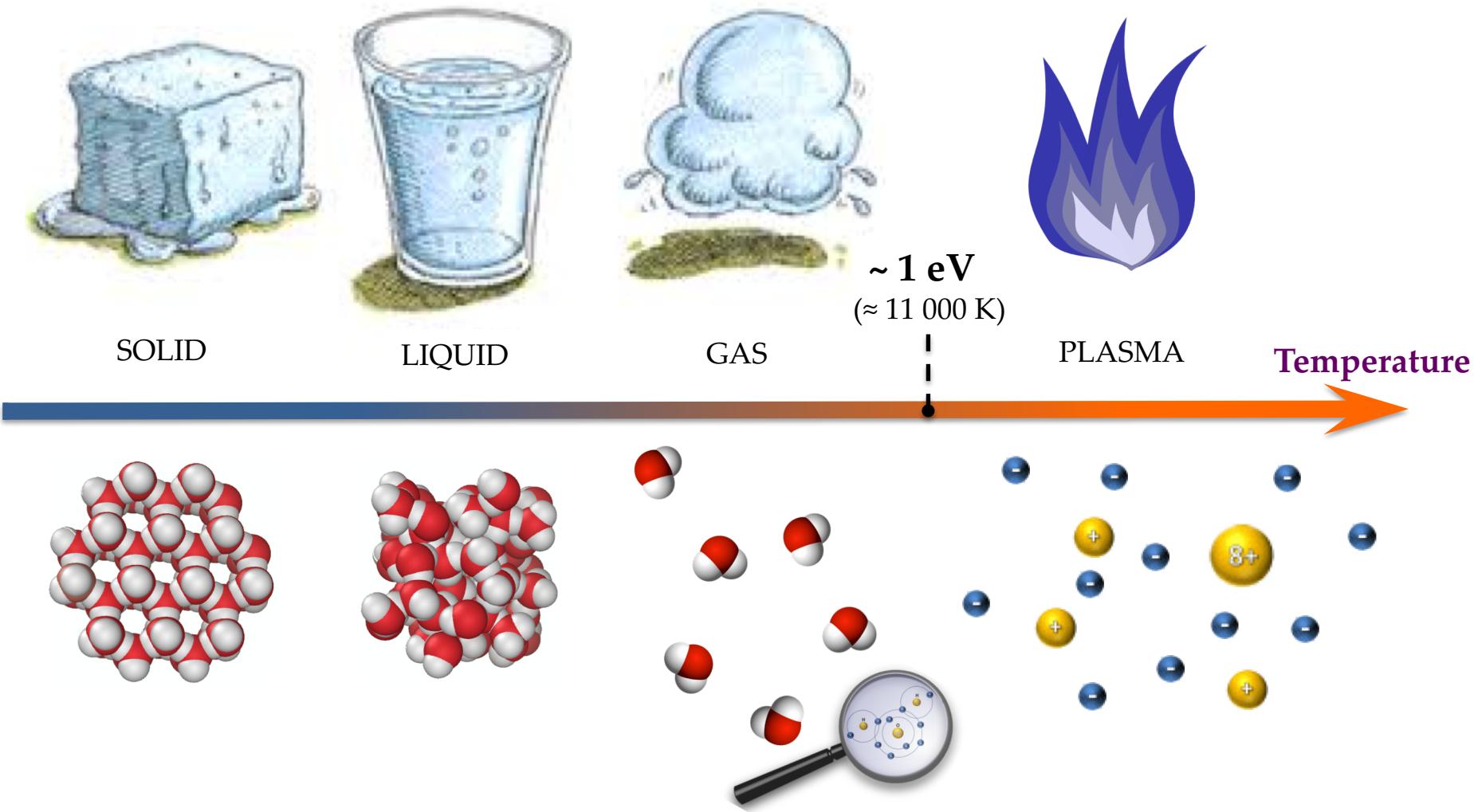
Plasma is the most common state in the Universe



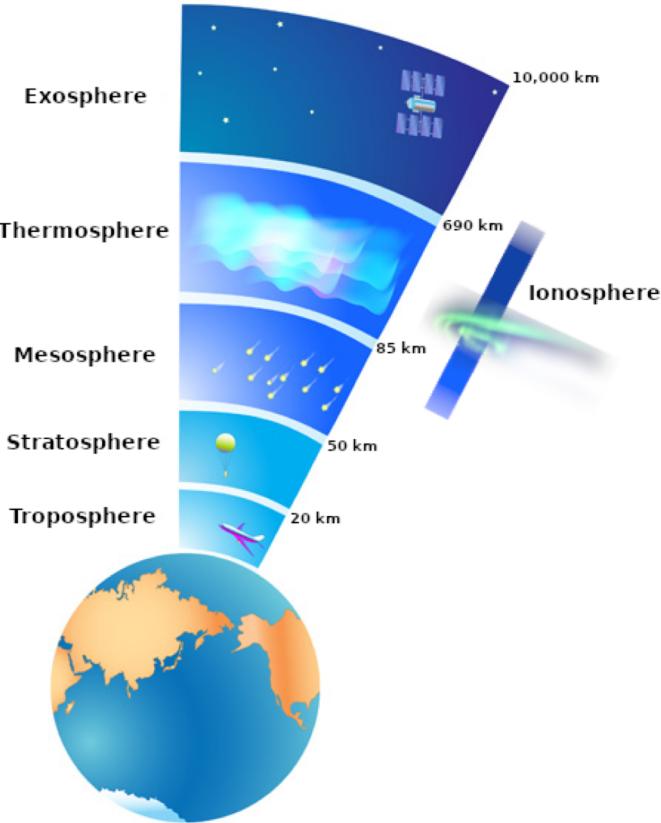
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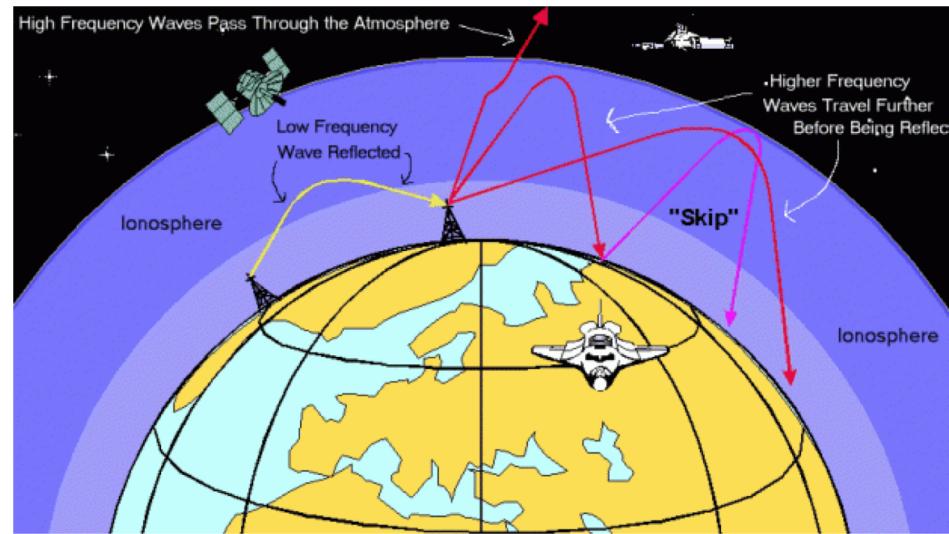
Plasma: the fourth state of matter



Ionosphere allows radio signals beyond horizon (1920's)

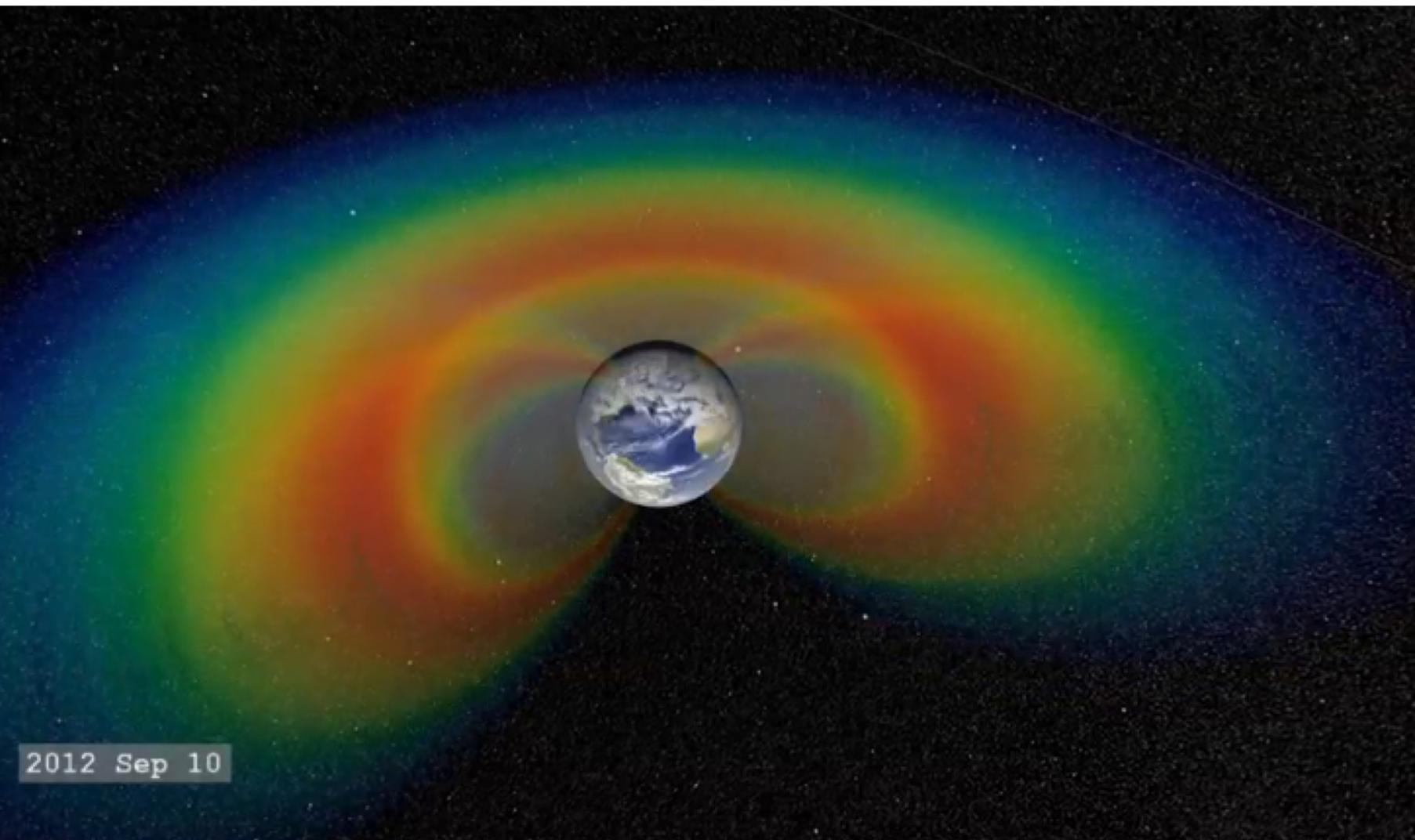


source: astro3d.org.au



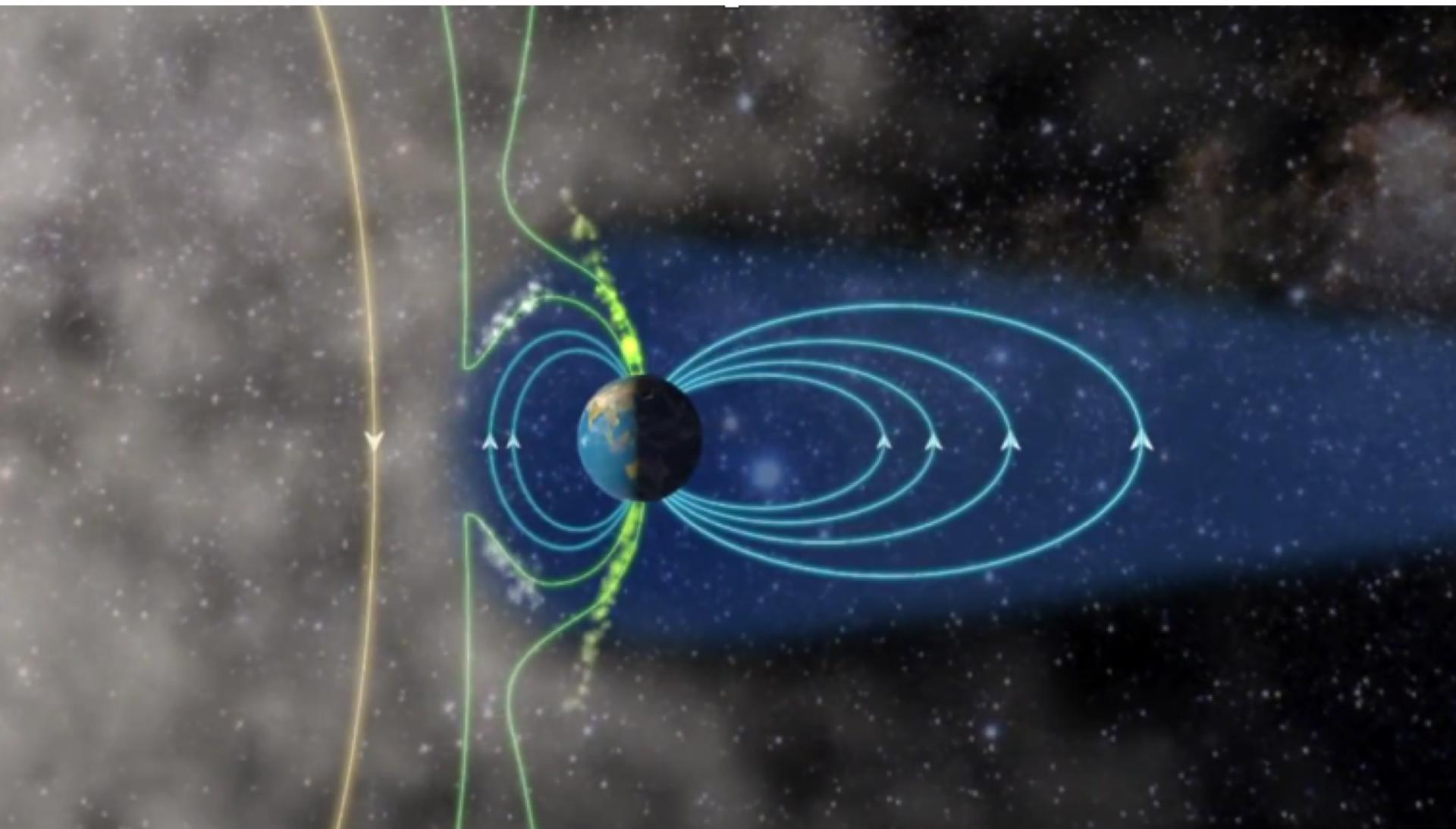
source: swpc.noaa.gov

Van Allen initiated “space plasma physics” (1958)

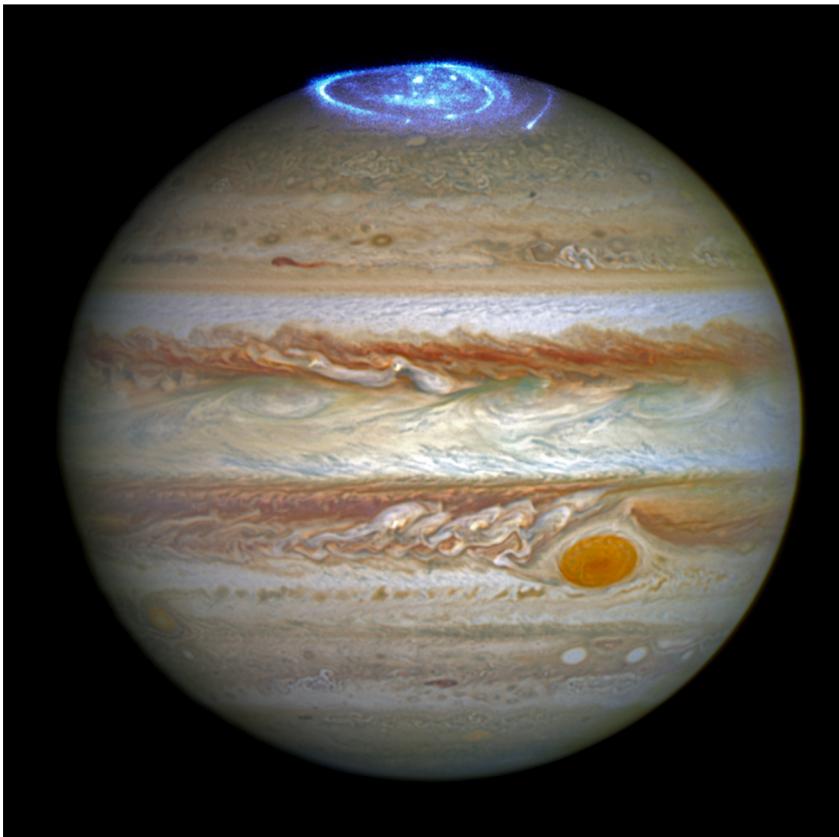


2012 Sep 10

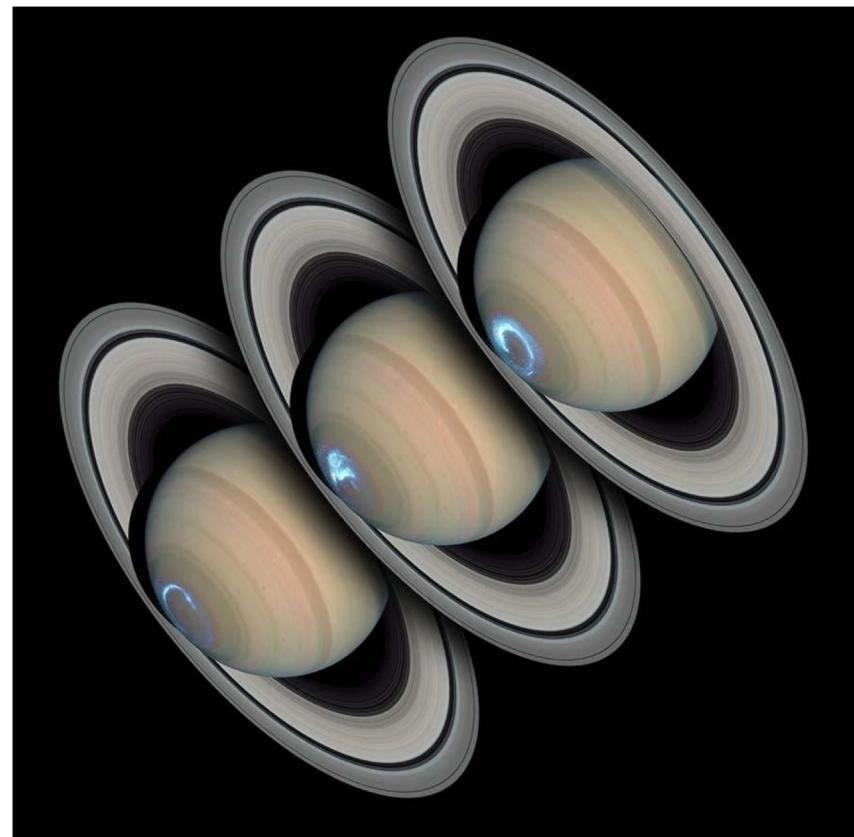
Plasma connects us all at the cosmic scale



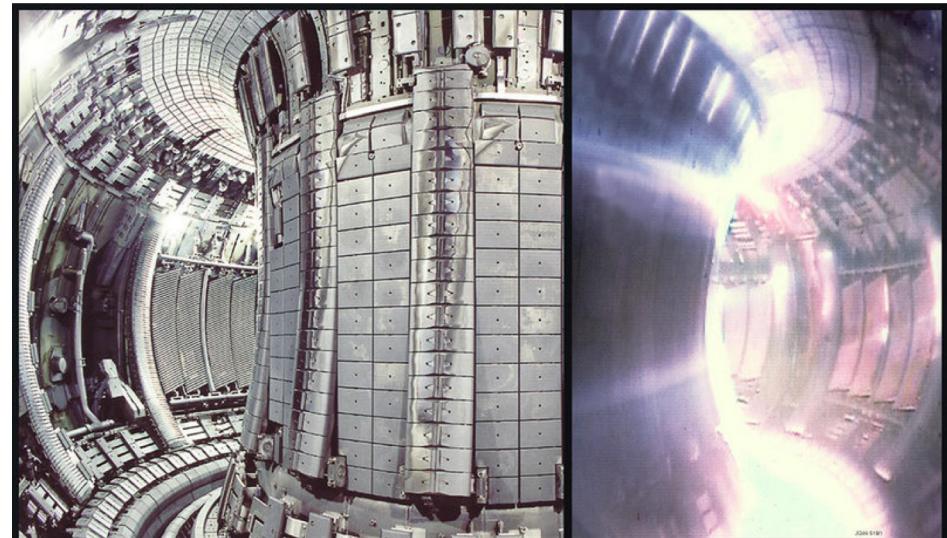
Plasma connects us all at the cosmic scale



source: NASA

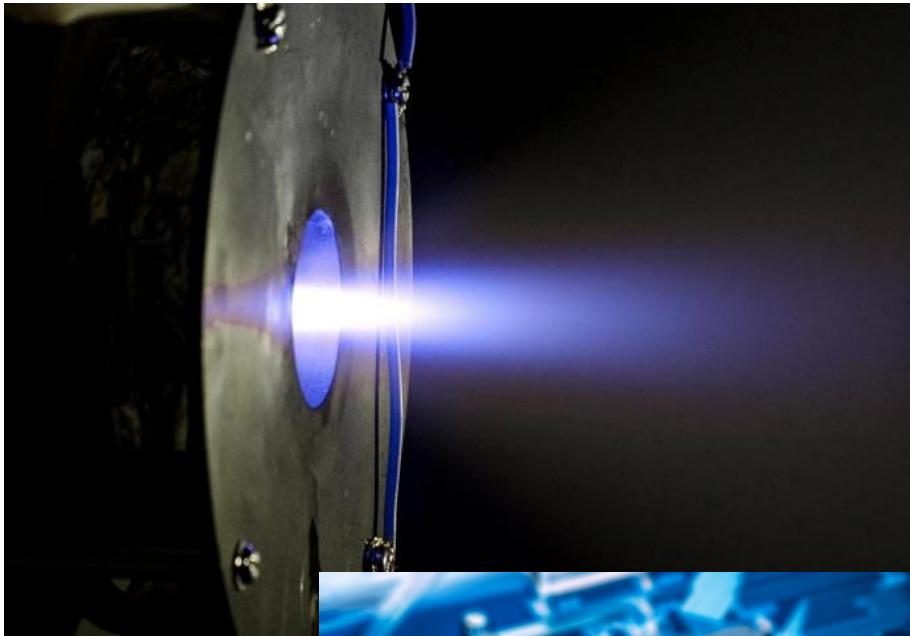


Plasma physics is central in fusion research (since 1950s)

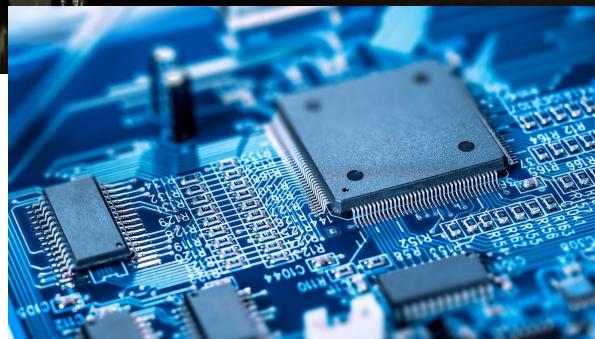


JET tokamak in the UK

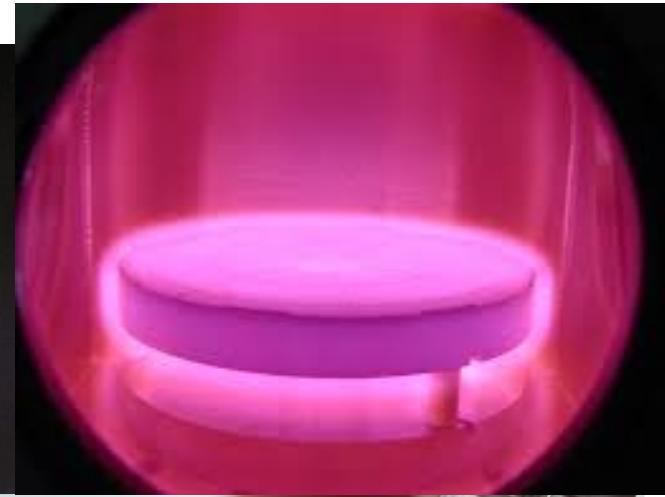
Plasma is present in many technologies (since 1960s)



source: ESA



source: asml.com



source: nanomaster.com



source: INP Greifswald

Plasmas need low density and high temperature

