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**News:** Imaging X-ray Polarimetry Explorer (IXPE)

## **Imaging X-ray Polarimetry Explorer (IXPE)**

- Imaging X-ray Polarimetry Explorer (IXPE) is the new mission launched by National Aeronautics and Space Administration (NASA) along with Italian Space Agency.
- It will study “the most extreme and mysterious objects in the universe – supernova remnants, supermassive black holes, and dozens of other high-energy objects.”
- Its primary length is two years and the observatory will be at 600 kilometers altitude, orbiting around Earth’s equator.
- It is expected to study about 40 celestial objects in its first year in space.
- It will complement other X-ray telescopes such as the Chandra X-ray Observatory and the European Space Agency’s X-ray observatory, XMM-Newton.