



J-MAG: Magnetometer science on the JUICE mission

Michele Dougherty

Imperial College London, United Kingdom (m.dougherty@imperial.ac.uk)

The magnetometer instrument onboard JUICE is one of the core instruments on the payload and is critical for resolving some of the prime science objectives of the mission. The primary science objectives of JUICE which will be constrained by the magnetic field observations will be described. They include characterising ocean properties at Ganymede, Callisto and Europa, resolving the dynamo magnetic field at Ganymede as well as better understanding magnetospheric dynamics.