

Media Lario S.r.l. announces the shipment of the Qualification Optical Module for the Einstein Probe X-ray Space Telescope of the Chinese Academy of Sciences (CAS)

Bosisio Parini, Italy, 10 May 2021 – Media Lario S.r.l., a world leader in high-precision optics and optical systems, announced today the shipment of the first Qualification Optical Module for the Einstein Probe X-Ray Space Telescope mission of the Chinese Academy of Sciences (CAS). The shipment is an important milestone in the development of the telescope and has been developed for CAS in collaboration with the European Space Agency (ESA) and the Max Planck Institute for Extraterrestrial Physics (MPE) in Germany.

The Einstein Probe X-ray Space Telescope will be launched in 2022. The mission will carry out systematic sky monitoring surveys in the X-ray band, complemented by deep X-ray follow-up observations. Its primary objective is to search for high-energy X-Ray sources in the universe known as transients.



Einstein Probe Optical System in Integration



Close-up View of Einstein Probe Optical System

For the Einstein Probe, Media Lario is utilising its patented Repli-formed Optics™ process to realize a complex and difficult to achieve shape composed of paraboloids and hyperboloids. The resulting mirrors are then nested together tightly to form a high-performance optical system.

Media Lario has a long heritage of manufacturing optical systems for X-Ray Space Telescopes including the Beppo-SAX (Italian Space Agency, ASI), SWIFT (NASA), XMM-Newton (ESA) and eROSITA (MPE) missions. Media Lario's technology has also been selected for the integration of the X-ray optics of the ATHENA large class X-Ray Space Telescope mission for ESA.

Jeff Lyons, CEO of Media Lario, commented, "The team here at Media Lario is very proud of this important milestone and look forward to the start of crucial qualification activities. We continue to be grateful to the Chinese Academy of Sciences for selecting us to provide the optics for the Einstein Probe and to ESA and the Max Planck Institute for their strongly supportive partnership on this important scientific mission."

Media Lario is located north of the industrial hub of Milan, Italy, in the region of Lombardia and Lake Como, an area rich with opto-mechanical expertise and experience in the precision optical industry.

Media Lario S.r.l.

Via al Pascolo, 6

23482 Bosisio Parini (LC) – Italy

 [@media.lario.srl](https://www.instagram.com/media.lario.srl)  [@MediaLario](https://twitter.com/MediaLario)



For more information on Media Lario S.r.l., please visit us at www.medialario.com