



Brahin Meteorite Fragment

Age approx. 4.5 billion years

Found in Russia in 1807

This is a stony iron pallasite formed at the core-mantle boundary of a large asteroid. It shows a snapshot of the process of differentiation of olivine crystallising in a matrix of iron and nickel at the core-mantle boundary.

Campo del Cielo came from deeper inside a metallic core where no olivine was present. In small samples the olivine is often weathered away. The front cover of the NHM Meteorites book has a spectacular picture of a pallasite. A massive impact event would have blasted these fragments into space.