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Theia earth collision moon formation



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Lost planet Theia, which created the moon, came from the inner solar

Scientists have long wondered about both the composition and the origin of Theia. Now they have evidence that it formed very close to home. The original giant-impact model of the moon's

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A Planet Slammed Into Earth 4.5 Billion Years Ago, Forming the Moon

Around 4.5 billion years ago, a planet called Theia is thought to have smashed into newborn Earth. The messy collision kicked up debris, which probably formed our nighttime ...



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Collision May Have Formed the Moon in Mere Hours, Simulations ...

Billions of years ago, a version of our Earth that looks very different than the one we live on today was hit by an object about the size of Mars, called Theia - and out of that collision the Moon

...

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Theia slammed into Earth, left marks and then formed the Moon, study

A planet called Theia collided with Earth, creating the Moon. Large, dense remnants of Theia exist deep within Earth's mantle. Computer models support the idea that these remnants are

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The Moon Was an Inside Job

New research suggests that Theia, the object whose collision with Earth is theorized to have caused the formation of the moon, came from closer to the sun.

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Giant-impact hypothesis

One of the attractive features of the giant-impact hypothesis is that the formation of the Moon and Earth align; during the course of its formation, Earth is thought to have experienced dozens of collisions ...

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Collision May Have Formed the Moon in Mere Hours, ...

A new simulation suggests that the Moon

was created from material ejected by the impact of Theia, a Mars-sized object, with Earth. This theory ...

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Before their big smashup, Theia and Earth were neighbors

The leading theory for how Earth got its moon is that the moon formed from a large rocky body - known as Theia - that collided with the early Earth about 4.5 billion years ago.

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Moon may have formed through Earth's collision with close neighbor

These questions have been hard to answer, because the object, nicknamed Theia, was completely destroyed in the collision. But by analyzing moon rocks brought back by the Apollo ...

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Earth and Theia smashed to birth the moon, but did they first start out

Over 4.5 billion years ago, a giant body smashed into Earth in a cosmic collision that birthed our planet's loyal companion, the moon. Now, new research indicates that this body, named

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