



COSMIC COLLISIONS

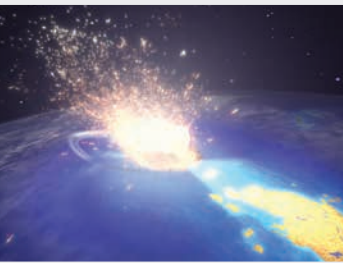
NARRATED BY: ROBERT REDFORD

Witness the destructive and deadly,
yet beautiful and creative collisions
that fuel our universe.

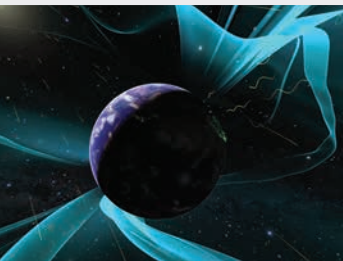
Cosmic Collisions presents the spectacular result of gravity pulling together planets, stars, and galaxies. Witness explosive encounters that ended the Age of the Dinosaurs and gave birth to new stars, but also created conditions essential for life on Earth—the Sun’s warmth and ocean waves. Experience an extraordinary vision of these forces—constructive or catastrophic—that continue to affect our universe.

*“As entertaining as
Cosmic Collisions is...
it’s the science that
went into it that is
most impressive.”*

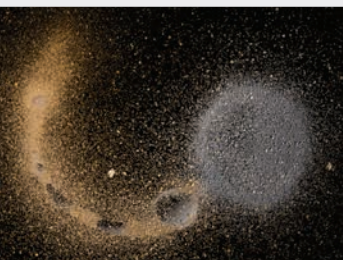
— TIME OUT NEW YORK



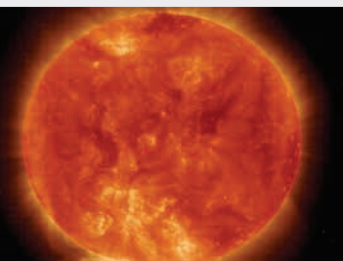
Witness planetary impacts and celestial smash-ups, such as the **meteorite impact** that hastened the end of the Age of the Dinosaurs.



See visualizations of **solar wind** and erupting solar flares.



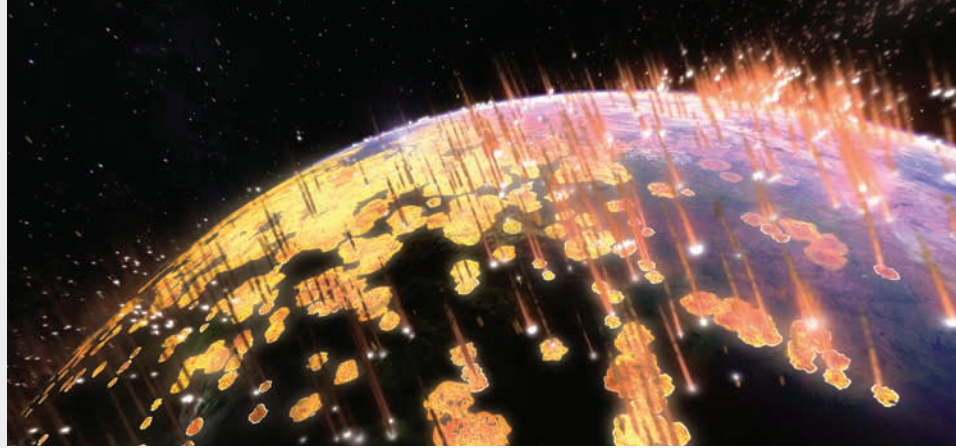
Watch as molten rocks collide, fuse together, and become **the Moon**.



See the subatomic **collisions occurring within the Sun**, which release energy and produce light.



Fast-forward into the future to see a ballet of stars as the **Milky Way and Andromeda galaxies** collide and merge.



Themes:

Creation of Our Moon

Witness a wandering object explosively crash into the Earth about 4.5 billion years ago. This impact led to the birth of our Moon, Earth's seasons, and the ocean's tides.

The Sun's Powerful Energy

Inside the Sun, continual proton collisions produce light. See how Earth's magnetic fields shield us from charged solar wind.

Threats to Earth: Meteorites & Asteroids

Relive a meteorite impact 65 million years ago. Watch how the intervention of a spacecraft could save Earth from an asteroid impact.

Stellar Collisions and Creations

Journey to a globular cluster where stars are packed so densely that a pair of stars occasionally smash into each other, forming a single bright blue star.

The Galactic Merger

Shifting billions of years into the future, envision a predicted event: the collision of our Milky Way with the Andromeda galaxy.

"A journey I was sorry to end."

— THE NEW YORK TIMES

FIND OUT MORE:

amnh.org/planetariumcontent
travelingprograms@amnh.org
 212.496.3362

CREDITS:

Cosmic Collisions was developed by the American Museum of Natural History, New York, in collaboration with the Denver Museum of Nature & Science; GOTO Inc., Tokyo, Japan; and the Shanghai Science & Technology Museum, China.

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Image credits: © AMNH

SPECIFICATIONS:



FORMAT:

Full Dome (can be customized for most digital planetarium systems)



TIMING:

23:00



AVAILABLE LANGUAGES:

English, French, German, Italian, Japanese, Mandarin, Spanish



STANDARD RENTAL LENGTH:

1 year



SUPPORTING ASSETS:

Educator Guide, Pre-show loop, Marketing kit