Out of devastating events in the cosmos comes new creation.

Explosive phenomena are responsible for the way we see the universe today, and not all of them happen on a grand scale.

When giant stars explode as "supernovas," they seed the galaxies with heavy elements that make planets and life possible. Some collisions we're only just now starting to understand. For example, when Black Holes collide, they can throw off some of the most energetic particles known, ripping and warping space as they go. But other "explosions" have profound effects as well, such as the beauty and power of supervolcanoes which have contributed to the transformation of our world into the life bearing oasis we now enjoy. The smallest of explosions, such as the forced impact of high energy particles, can echo the foundational events of the early universe.

As the universe has transformed into the structure we live in now, even the most elementary particles have endured. This show follows the path of one of these "particles," a proton, as it participates in nature's astounding events of rebirth and renewal.

This program was produced by Clark Productions.

Preview:
https://www.youtube.com/watch?v=3810PVoFk4

Next Showing:
Sunday, April 14, 2019 - 3:00pm

Type:
Full Dome Production

Status:
Available for Presentations

Duration:
Previous Showing:
Sunday, July 8, 2018 - 3:00pm

Source URL: http://astro.fmarion.edu/catalog/exploding-universe

Links
[1] https://www.youtube.com/watch?v=3810PV0qFk4