The Formation Mechanism of the Crab Nebula

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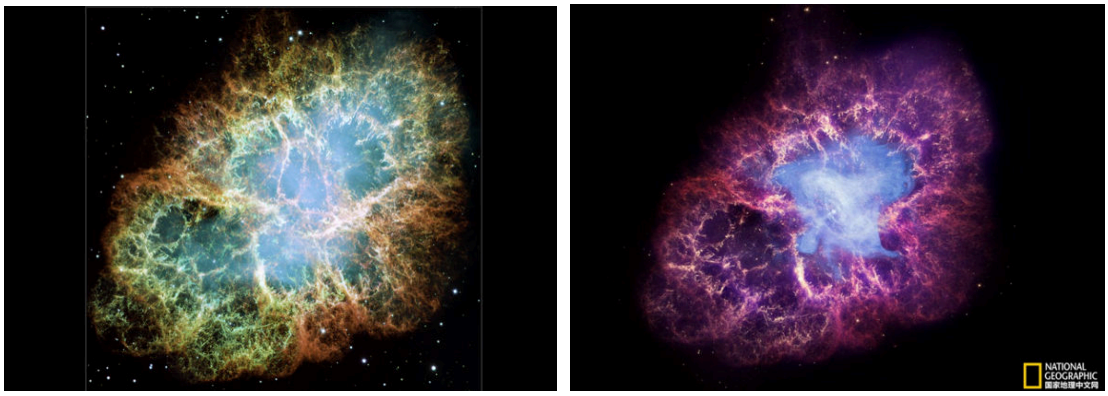
Abstract: show a new explanation regard to the formation mechanism of the Crab Nebula

Main viewpoints and conclusions:



These images selecting from related articles, and many thanks to the authors.

The Crab Nebula (the catalogue designations M1, NGC 1952, Taurus A), which is a pulsar wind nebula in the constellation of Taurus.[1]

According to and integrating the related research results, [1][2][3][4][5] a conclusion could be obtained: the Crab Nebula was formed by the decay of a Neutron star (a black-hole; neutrons cluster), and the details of the formation process is:

a Neutron star (*a black hole; neutrons cluster*) → *a Pulsar* (*an unstable nuclei*) + γ (v) + + X (e^-) + P (H^+) + α (He^+) + *other kind of Nucleuses or Atoms = the Crab Nebula.* [6]

References

[1] *The Crab Nebula*
https://en.wikipedia.org/wiki/Crab_Nebula
[2] *Hitomi spacecraft to enable unprecedented views of the violent universe*
http://phys.org/news/2016-02-hitomi-spacecraft-enable-unprecedented-views.html
[3] *Astroparticle Physics Italian Style*
http://physics.aps.org/articles/v8/96
[4] *Galaxy star birth regulated by black-hole fountain*
https://www.sciencedaily.com/releases/2015/08/150806144657.htm
[5] *Black-holes' Innate Character and Feature*
http://rxiv.org/abs/1608.0177
[6] *Physicists measured something new in the radioactive decay of neutrons*
http://phys.org/news/2016-06-physicists-radioactive-neutrons.html