Re: Are we sure that black holes contain singularities?

Source: http://sci.tech−archive.net/Archive/sci.physics/2007−08/msg00465.html

- *From*: Eric Gisse <jowr.pi@xxxxxxxxx>
- *Date*: Sat, 04 Aug 2007 21:39:43 −0000

On Aug 4, 1:45 am, "Kamil.S...@xxxxxxxxx" <Kamil.S...@xxxxxxxxx>
wrote:

> ... not just highly compressed matter still occupying some significant
> volume due to rotation and Pauli exclusion principle?

The Pauli exclusion principle was the only thing propping up the
neutron star against gravity's crush. It wasn't enough.

Two things you have to keep in mind:

a) Singularities are an unavoidable consequence of general relativity.
To get rid of them, we need a new theory.
b) The singularity in a black hole which rotates is not a point but
rather a ring.

.