

An experiment to find out if miniature black holes will suck in the universe

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Introduction

The aim of this experiment is to find out if miniature black holes will suck in the universe or not.

Apparatus

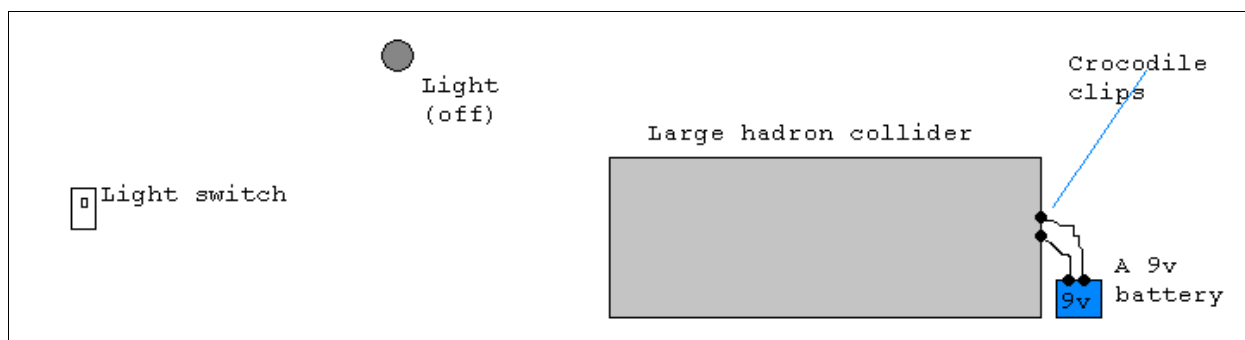
- 1 very large hadron collider.
- 1 (or more) pair of safety spectacles.
- 1 (or more) pairs of gloves.
- A mole of hadrons.
- A 9v battery.

Safety

Always wear safety spectacles when standing near supercharged particles.
Do not take off your gloves when handling hadrons as they can be toxic.

Method

1. A large hadron collider was set up on one side of the room.
2. The hadron collider was connected to the 9v battery with crocodile clips, and the light was turned off in the room.



3. The hadron collider was switched on, and the sound and blinky lights were observed.
4. The size of the universe was measured with a metre rule.
5. Then the hadrons were put in, and the hadron collider was switched to collide.
6. More results were taken and the size of the universe was measured again.
7. At the end of the experiment the large hadron collider was switched off again,

and the crocodile clips were removed. The battery was put back in the storage cupboard.

8. Then it was safe to take off the safety spectacles and gloves.

Results

During the experiment the following results were observed.

The hadron collider made a humming noise after it was switched on.

When the hadrons were put in, it made a louder humming noise for a while and then it made the same humming noise as before again.

After it was switched off it stopped making a humming noise.

The blinky lights started all yellow.

When the hadrons were put in, they turned green for a little while and then red.

They stayed red until the hadron collider was switched off again at the end of the experiment.

After the experiment we couldn't find Mr Jones our physics teacher because he had packed his bags and run away.

During the experiment the size of the universe was fairly constant although it got a little bit bigger towards the end.

Analysis

The yellow blinky lights were because there weren't any hadrons in the collider yet.

The green blinky lights were because there were lots of hadrons in the collider.

The red blinky lights were because the hadron collider had gone wrong.

We knew that the universe was not sucked inside a black hole and turned inside out during the experiment because of the observation that the size of the universe did not decrease or turn negative.

Conclusions

Small black holes may have been created inside the hadron collider. We couldn't really tell. That might be why the lights on it turned red. But a Chi squared test shows that because in all the cases of running the experiment the universe was not destroyed and so can be concluded that if they were created they are probably not very dangerous.

Improvements

The experiment could be made better by putting people inside the large hadron collider with torches so they could see the black holes for themselves.