

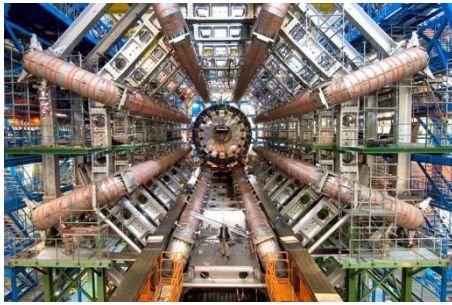
## Questions:

1. How does one sort out the relevant events?
2. How does one, in advance/early in the process, decide which events are relevant?
3. Which is/are the definitive reasons why gravitation is not part of SM?
4. What was the name of the journalist on the Guardian?  
(Hans Danielsson)
5. We have five families of quarks. It has been experimentally shown that there are no more. How?
6. Are there some more bosons missing /looked for?
7. Can one draw some conclusions due to the asymmetric differences in SM? Are some particles missing?
8. Is the lifetime the reason why only the muons are detected far out?
9. Can it be that protons that get into a quadrupole far out in the de-focusing plane can be ejected from the accelerator?
10. How does the nucleus and the electron exchange photons in order to keep each other in the orbit? If the nucleus is "thrown" on the electron it should press it outwards, shouldn't it?
11. Colour was well described by SU(3), why is this true and how is it used?
12. What are supersymmetric particles?
13. How is the life for a researcher at CERN?
  - a. How much does he earn?
  - b. How does his daily life look like?
  - c. Does one live at CERN?

d. How long is the job contract in average?

e. Which education does one have before starting?

14. In this type of magnet layout the magnet field becomes donut-shaped according to how we think about it. Why are they used? Is it because the magnetic forces acts focusing if the particles move outwards?



15. What about the gravitational properties of antimatter? Could one think of a repulsive gravitational force?
16. What are the theories why all antimatter has disappeared?
17. Could wrong judgements be the reason why we believe dark material is missing in the Universe?
18. Does some other model or theory exist which can replace the SM
19. Why was negative mass shown on the live monitor at ASM (even including standard deviation)
20. What is the velocity of the collided particles inside the detector? Possibly as a magnitude loss from initial velocity.
21. Do the detector parts need to be replaced often or how are they replicable?
22. Are there any experimental markers for any ToE:s?