

Javier Santaolalla, SUSSP 2009, St Andrews

OCH SEDAN MONSTER ORIFE TUDES IN CODS at LIDO



where 100 m underneath Earth, near a city called Geneva, a 27 km tunnel hostes 4 of the greatest monsters of nature.

Olet 10¹¹ protons are bolted down 40 million times a second by these monsters. Within it, a milliard of particles are created, making its diet very divers (muons, neutrinos, s-particles... Miggs bosons?)

This cilinder-shaped monster with the size of a 5-story building is supposed to live inside the tunnel. The particles created after the collision are bended due to its solenoidal B field,

identiying them and measuring their momenta

maons in cms

Muons are an essential part in CMS diet. They are a very clear signal to detect more interesting particles such as the Miggs boson or s-particles. Muons are detected in DT, RPC and CSC stomachs.

There are 250 DT chambers in CMS, 25%





CRUZET AND CRAFT



