

CATCH ME IF YOU CAN

Catch as many as possible interesting collisions before the accelerator runs out of protons.

*Out of 40 million collisions per second only very few contain interesting new physics.
We have to filter them out on-line.*

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40 million

proton bunches per second collide in the CMS detector.
A Higgs boson is produced only every few hours. Potential
new physics is even more rare.

Protons

START

