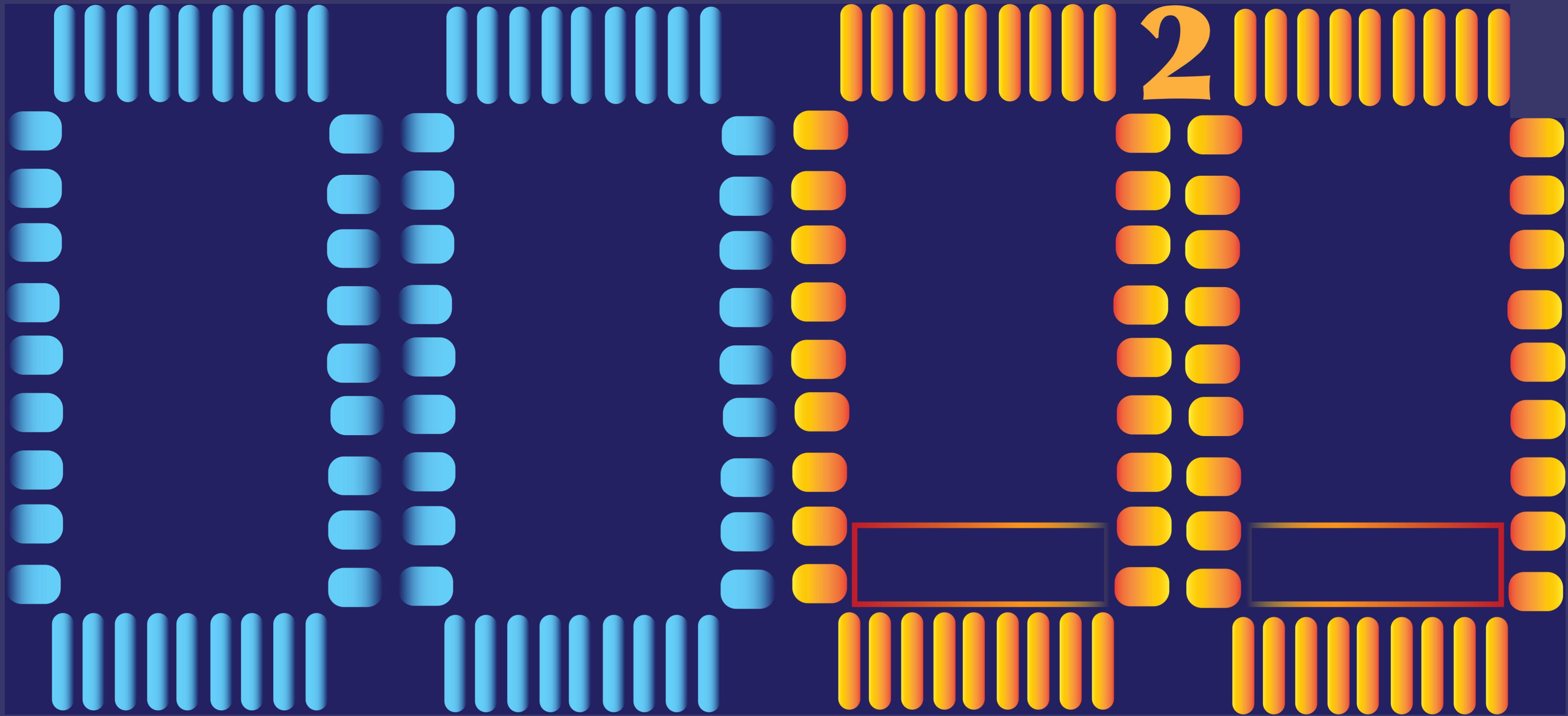


2

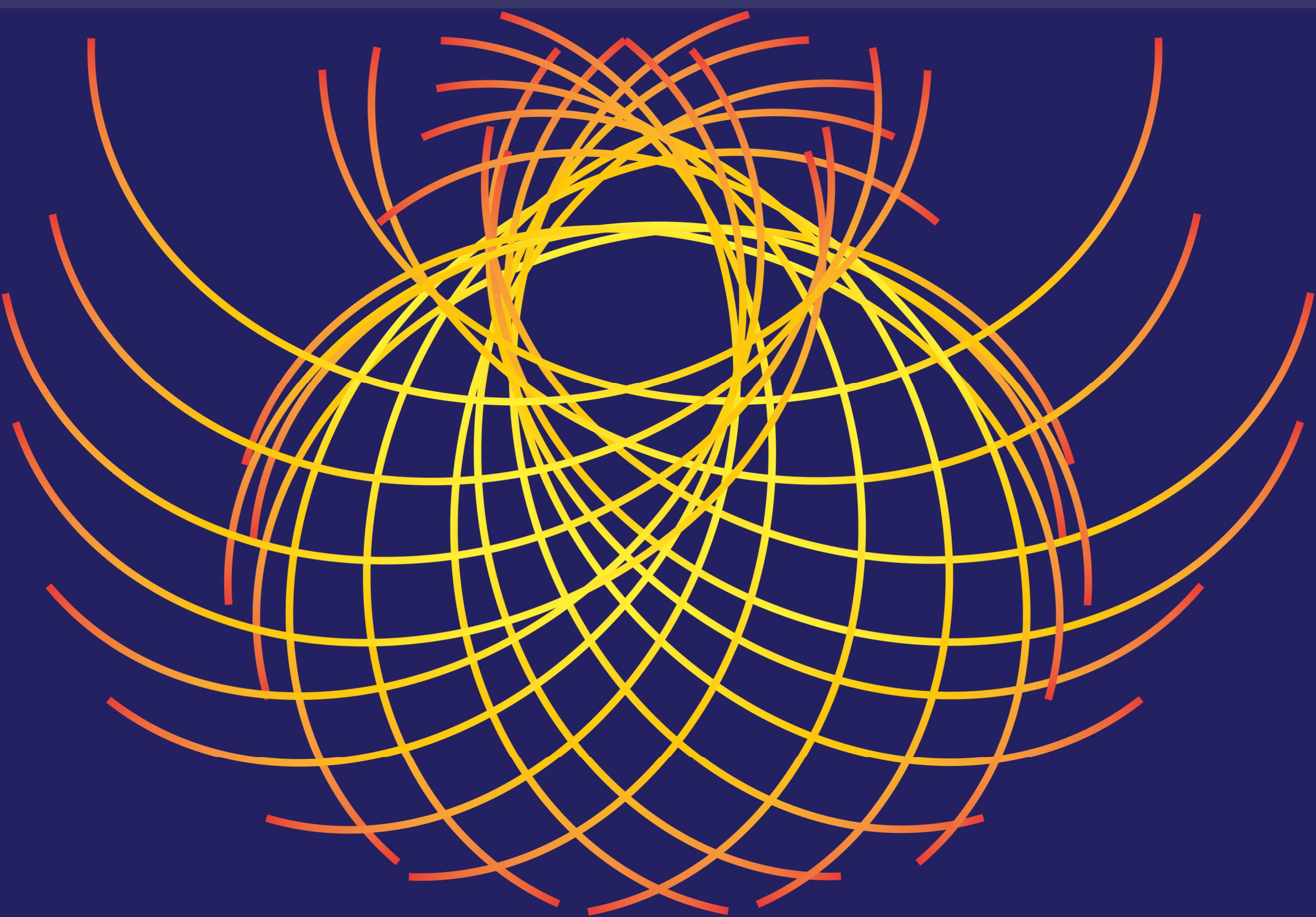
Ultra-Fast Electronic Selection
Also known as level-1 trigger.
The level-1 trigger looks at part of the data and does a pre-selection of 100 000 collisions / second.

It consists of hundreds of custom electronics boards and optical fibre networks installed in the counting room next door



ACCEPT

Press this button if you see a blue light in the frame.



3

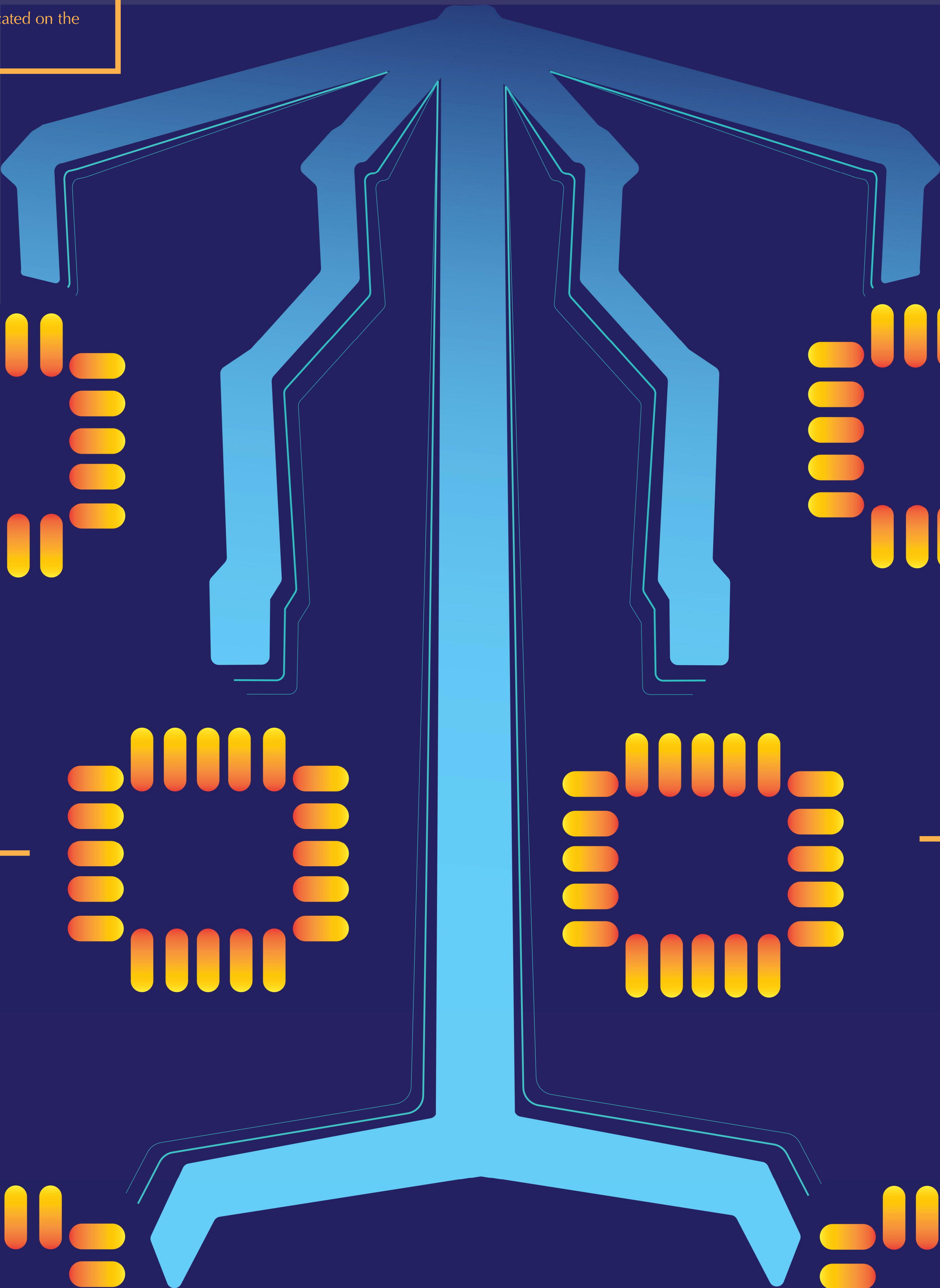
Super powerful Processing farm

Also known as a high level trigger.
The full events are analysed on a farm of several thousand powerful server PCs

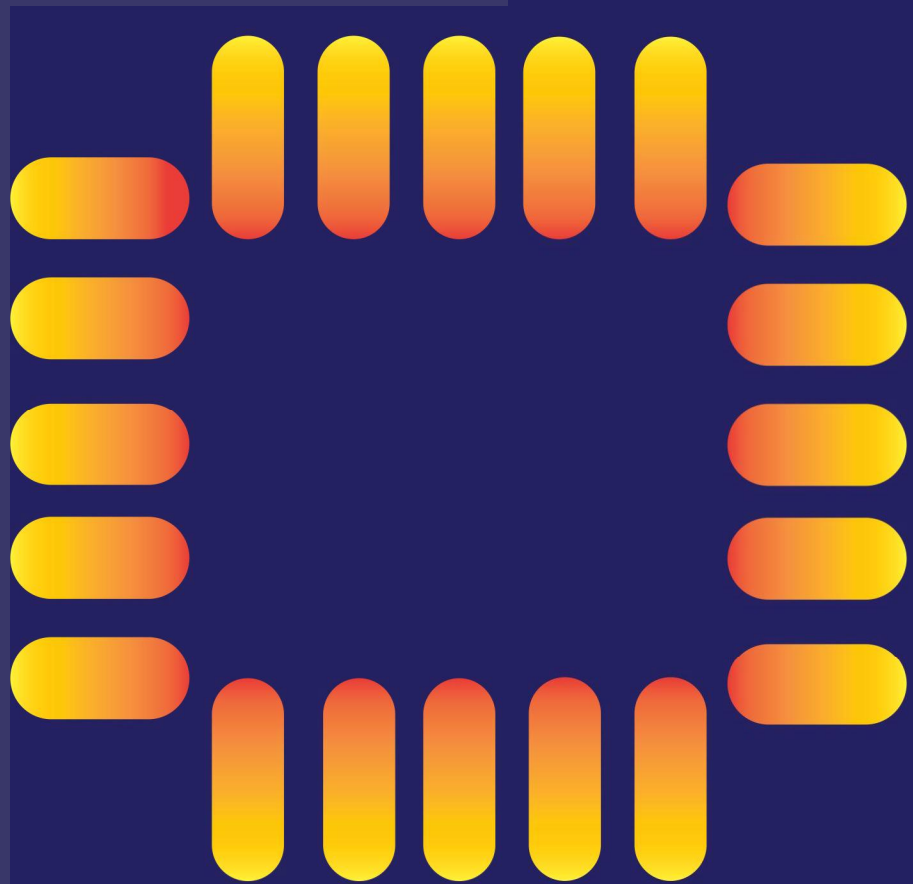
The high level trigger is located on the surface, 100 m above you.

Event-Building Switch

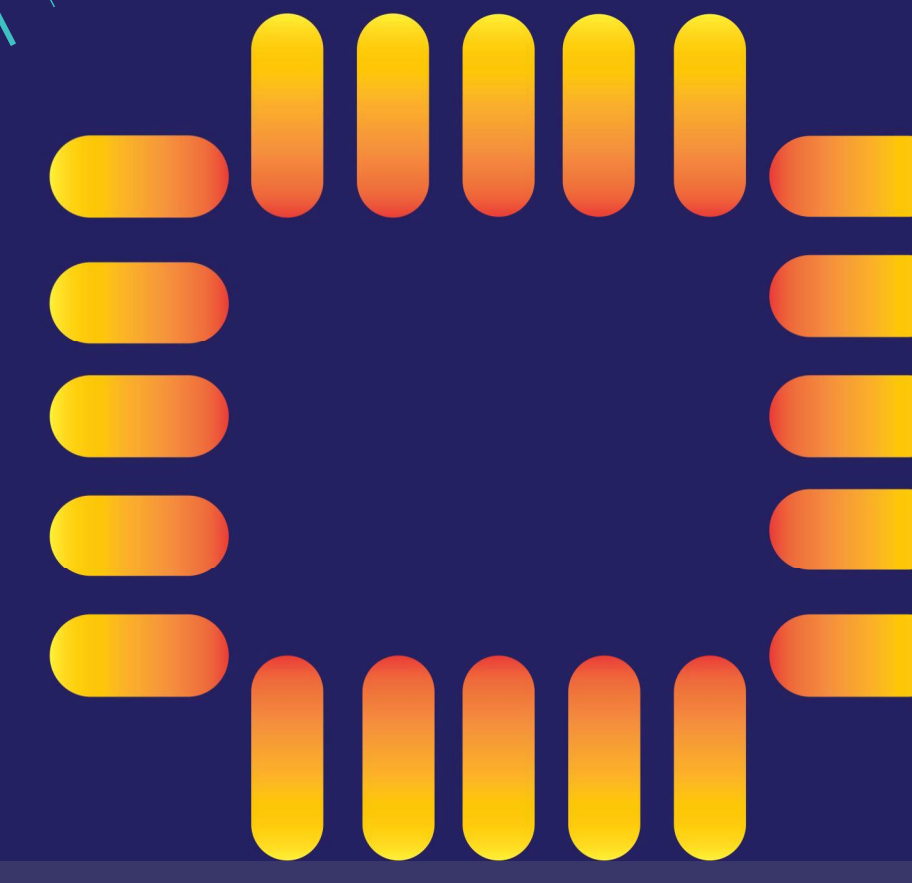
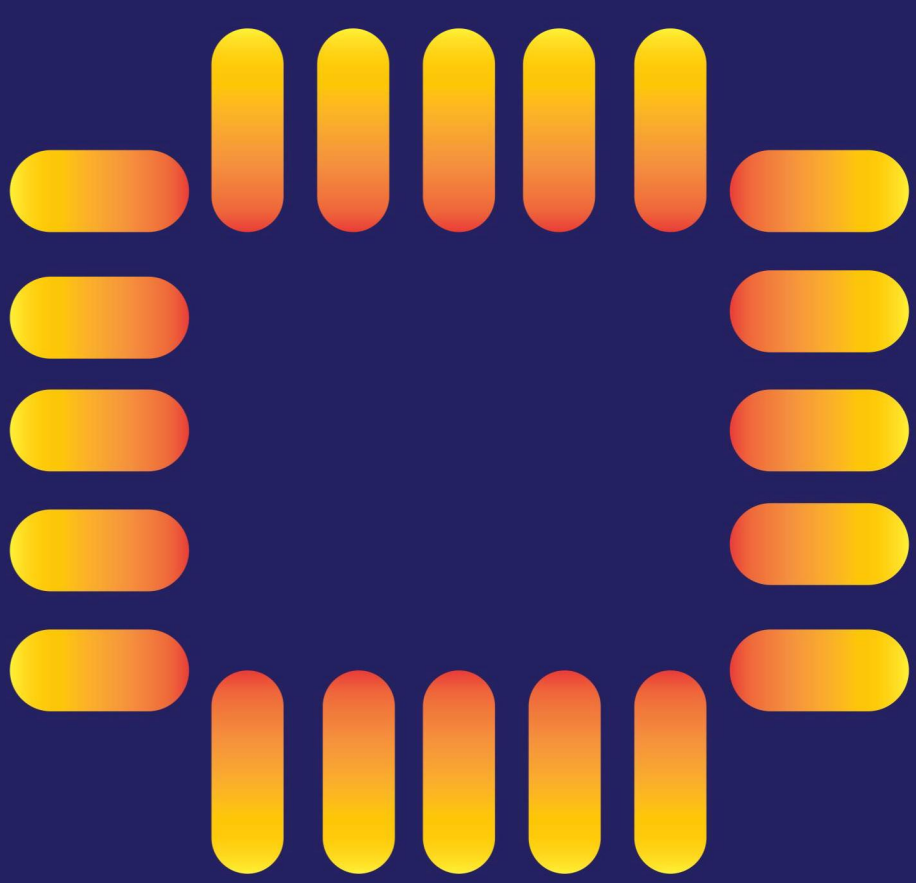
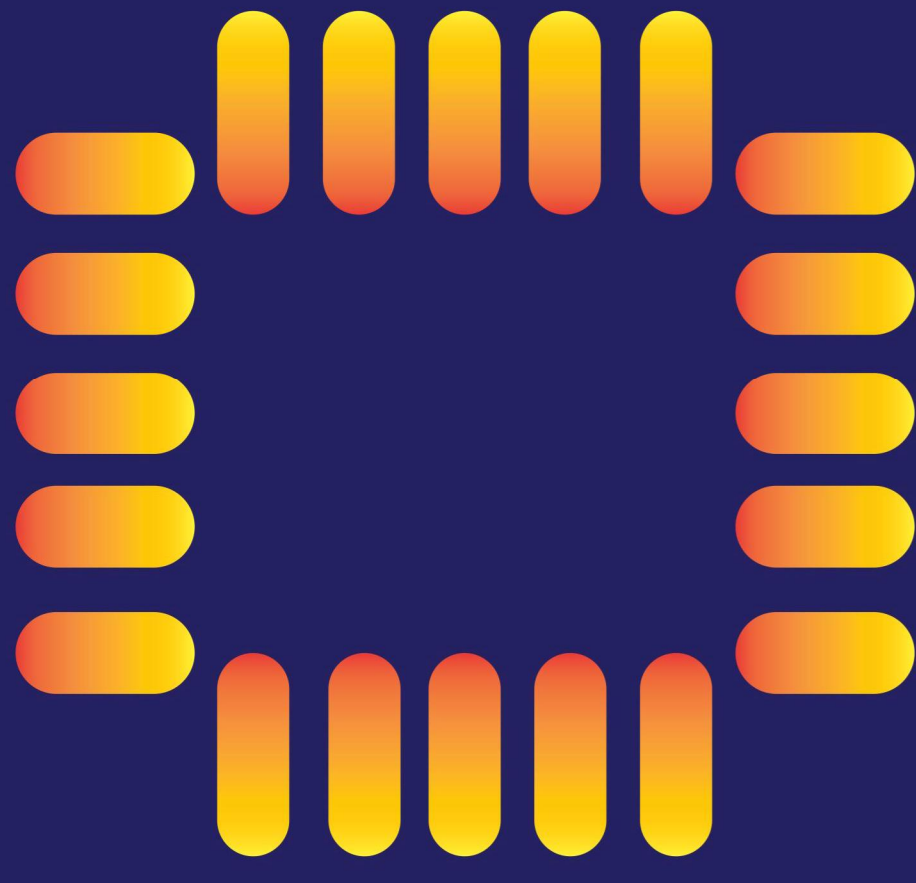
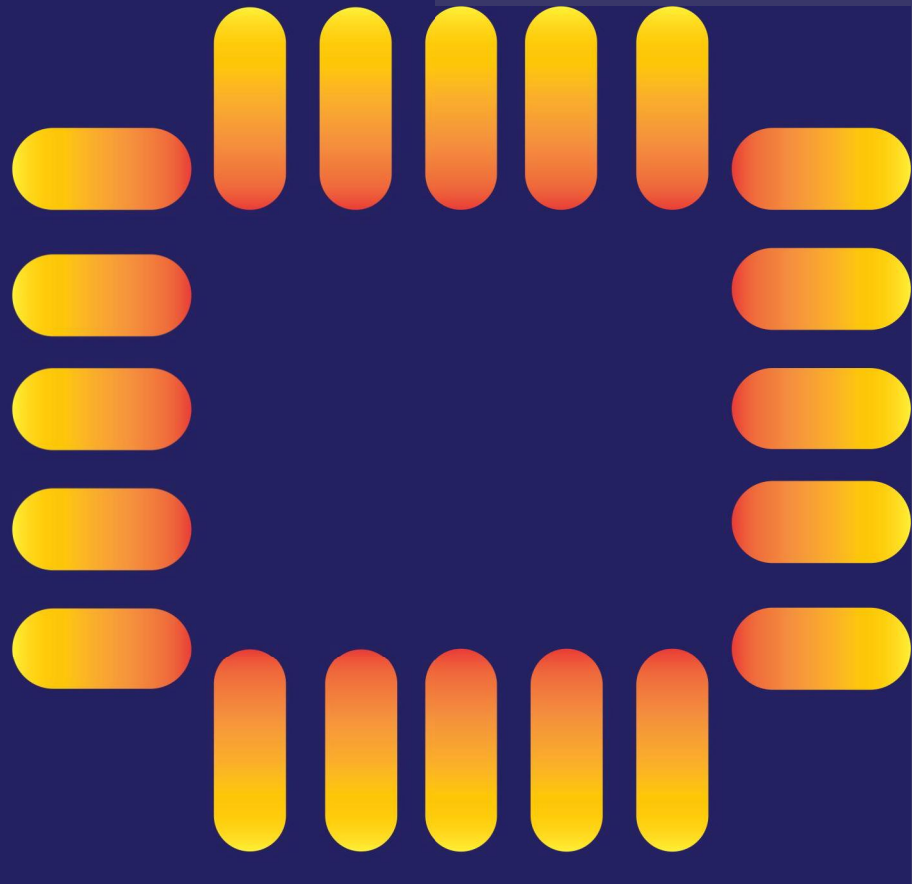
A switch fabric made from high-performance network switches.



3



3

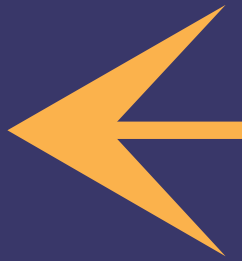
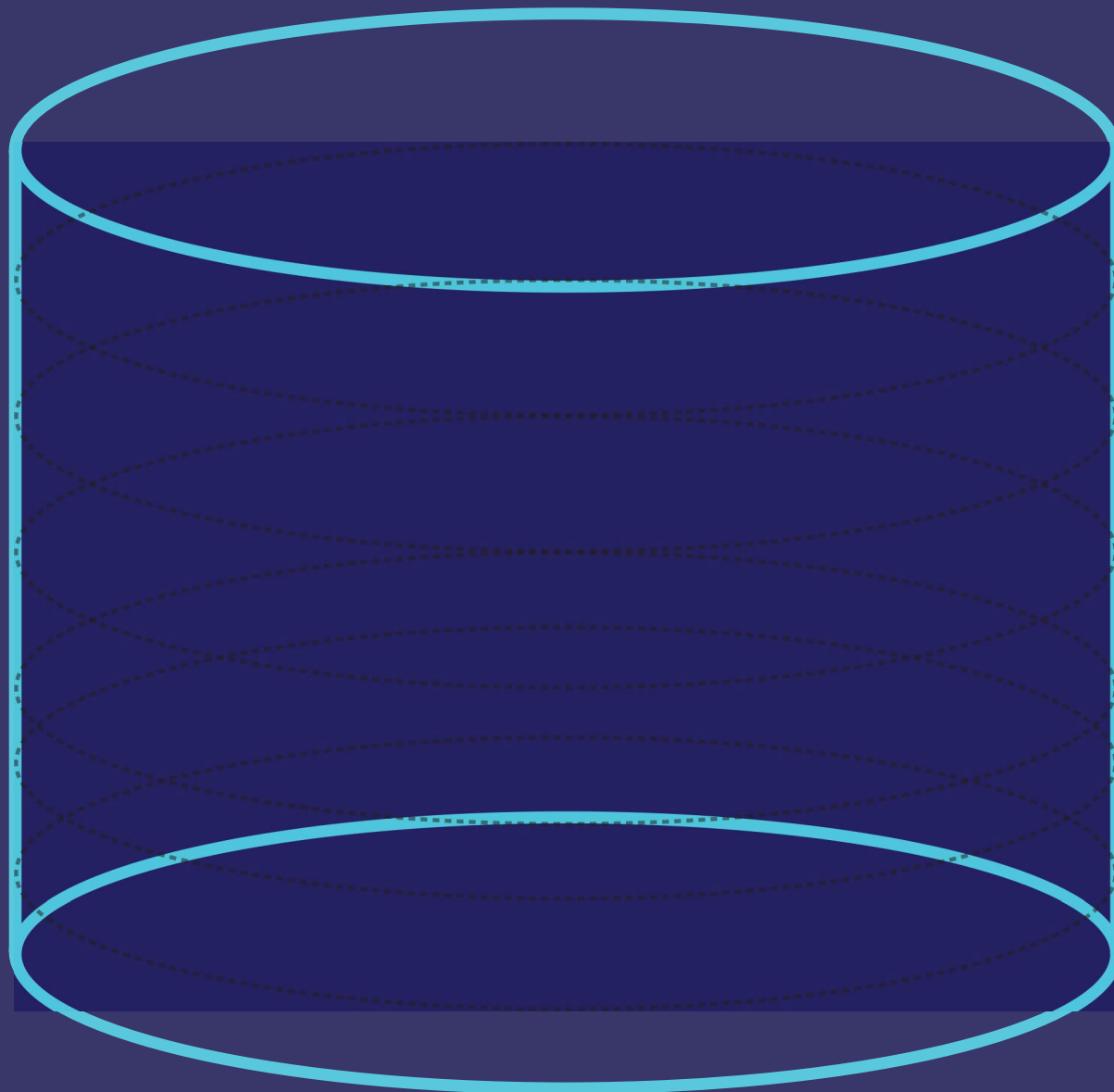
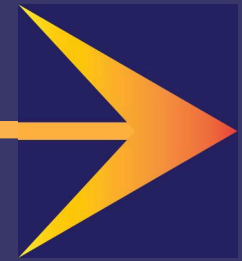


Data Storage

Since the accelerator runs continuously for 9 months a year, with the available funding we only have the capacity to store about 1000 collisions per second.

ACCEPT

Press one of these buttons if you see a bright blue light in the frame.



ACCEPT

Press one of these buttons if you see a bright blue light in the frame.