Comparison of jet algorithms



Jet element/Slide 0.2 x 0.2

Old CMS Jet Algorithm

Window 0.348 x 0.348 (4 x 4 towers) No slide or overlap!



New CMS Jet Algorithm

Window 1.04 x 1.04 Jet element/Slide 0.348 x 0.348 (4 x 4 towers)





- CMS jet algorithm now has (big) sliding windows!
- > Sums saturate at 10 bits (1024 GeV).
- > Jet is defined as τ -like if \leq 2 active ECAL or HCAL towers in *each* of the 9 4×4 elements.