

13:32:57 From Miguel to Everyone:
sorry I missed the conversation, what was the topic?

13:33:11 From Stephen Sekula to Everyone:
The definition of JER/JES, etc.

14:01:36 From Miguel to Everyone:
yes it is a smearing, but coming from particle level
definition , not from detectors

14:01:46 From Ernst Sichtermann (he/him) to Everyone:
Indeed.

14:02:04 From Miguel to Everyone:
my point is that such smearing is not small

14:02:27 From Elke Aschenauer to Everyone:
Miguel I disagree, sorry

14:02:36 From Elke Aschenauer to Everyone:
why should it be large

14:04:19 From Ernst Sichtermann (he/him) to Everyone:
Depends - $n > 4$ charged is a fairly restrictive cut.

14:04:46 From Elke Aschenauer to Everyone:
the phi is driven by most energetic particle neutral or
charged

14:04:59 From Elke Aschenauer to Everyone:
and the jet algorithm takes care of it

14:05:31 From Miguel to Everyone:
yes, so if the energetic particle is neutral, then the
phi_charged will be far off the truth phi_all

14:06:40 From Elke Aschenauer to Everyone:
yes, but it is unlikely that is the case because the photons
always have half the energy of charged ones and neutrons are only in
10% of all jets

14:06:52 From Ernst Sichtermann (he/him) to Everyone:
Not obvious with 4 (additional) charged particles.

14:07:37 From Elke Aschenauer to Everyone:
this is all surprising why only 4 tracks in $R=1$ this is
different to what we found, what sqrt(s) was this study

14:07:55 From Ernst Sichtermann (he/him) to Everyone:
4 or more.

14:08:27 From Miguel to Everyone:
how often is the leading particle neutral? ~40% of time.

14:09:00 From Elke Aschenauer to Everyone:
what is neutral in you definition

14:09:13 From Fernando Torales-Acosta to Everyone:
Sqrt(s) is ~89 GeV

14:09:23 From Elke Aschenauer to Everyone:
photon, n and K_L

14:09:25 From Miguel to Everyone:
not charged. Fernando's jet definition includes just charged particles, not photons/electrons

14:10:45 From Miguel to Everyone:
sorry not photons (electrons are charged :D)

14:11:56 From Elke Aschenauer to Everyone:
so you want to say in 405 of al lets the photon is the most energetic particle in the jet?

14:13:14 From Elke Aschenauer to Everyone:
this is hard to believe as most photons come from pi⁰'s and such the pi⁰ energy needs to be larger than the charged ones so this works

14:13:49 From Miguel to Everyone:
photon, neutron or KL, yes.

14:14:02 From Miguel to Everyone:
one can check this in sim , I will do and share

14:15:19 From Elke Aschenauer to Everyone:
we have done this in our paper