

Latinos tree content development

List of variables in latino ntuples.

Technical details

Most of the variables are defined in `stepB_cff.py`.

Variables that start with "v_" stand for "vector" variables (`math::XYZTLorentzVector`). The method used must have the possibility to ask for vector members, that is, it **must** return a `math::XYZTLorentzVector`. The `treeFiller` will ask for x,y,z,t components and will build the 4-vector out of them. For example:

```
v_lepton1 = cms.string("lepton(0)"),
```

Wishlist for next production

General

- Integrate T&P trees into the Latino ones.

Skim

purpose	goal	progress	description	notes
Qjets	2015		May it be useful?	
Fat Jets	2013		PFCandidates associated to CA jets R08, to calculate fatjets variables at step 3. Recipe ongoing, then easier to save information here.	Tested only locally, never done in full production. Long list of "warnings" while running the skim
QG likelihood inputs	2013		Quark/gluon likelihood discriminator inputs. Saving inputs allows for QG calculation at skim level, since recipe is evolving and performances have been improved.	Tested only locally, never done in full production. Long list of "warnings" while running the skim
photons	2014		Photons.	
taus	2014		Taus.	
high pt leptons	2014		Muons and electrons.	For electrons just a different id, for muons different track (check embedding).
single lepton	2014		Check possibility to skim single leptons.	

Final ntuple

variable name	goal	progress	description	notes
isotk1	2014			

			Tracker isolation for leptons: to apply selections consistently online and offline.	Is information already in skim?
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| b-algos | 2014 |  | Save different b-jet algorithms, secondary vertex one is missing. | Is information already in skim? |

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