

- New test sample

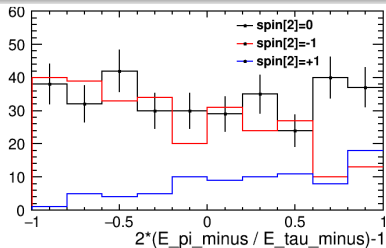
Check some issues

- ▷ tau spin problem

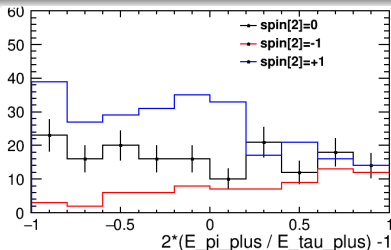
- ▷ negative invariant mass of PFOs problem

- Switch from python code to C++ code

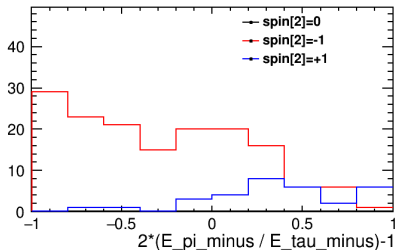
tau spin problem



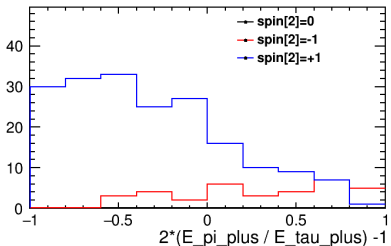
old sample τ^-



old sample τ^+



new sample τ^-

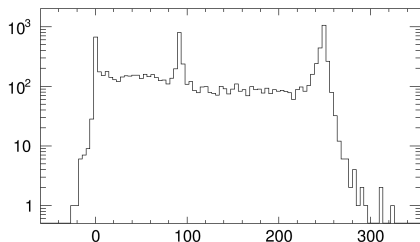


new sample τ^+

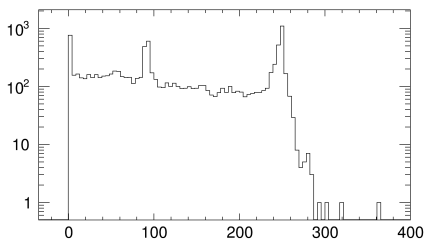
tau spin problem is now fixed.

negative mass problem

Using the old sample, sometimes PFOs have a “negative” invariant mass. problem in the new photon energy correction processor.



old sample: invariant mass of PFOs



new sample: invariant mass of PFOs

The new test sample does not have negative mass issue.

Problems of tau spin information and photon energy correction were fixed in the new test sample.

So far, there is no other problem found.