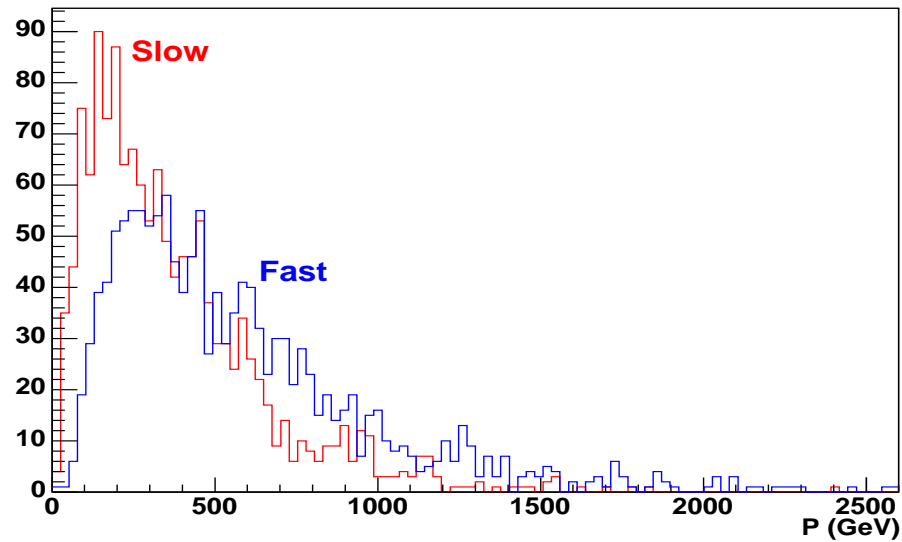


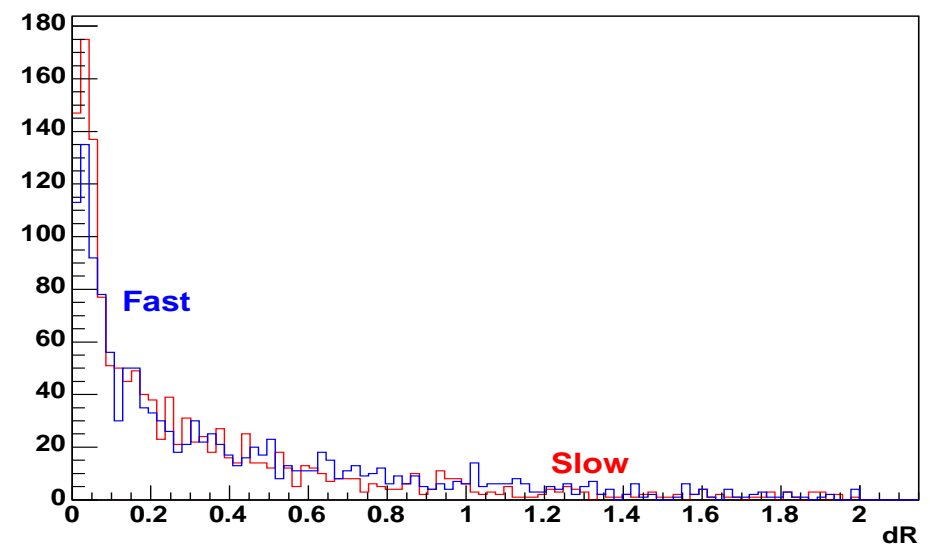
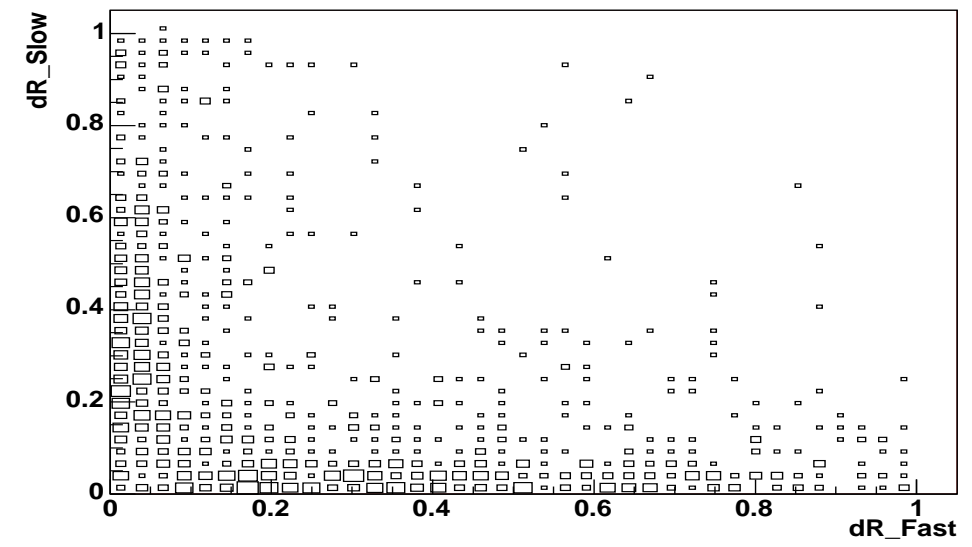
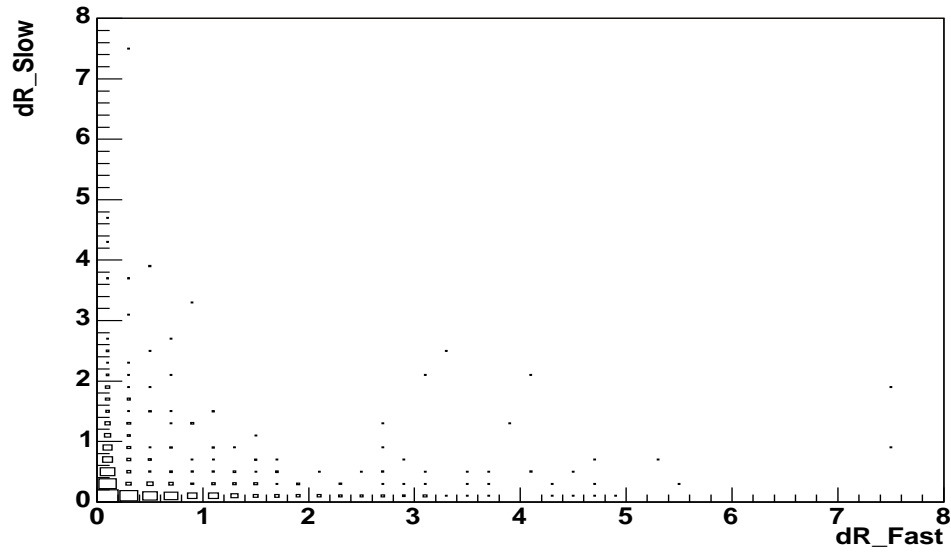
Leptonic W reconstruction: which neutrino solution to choose

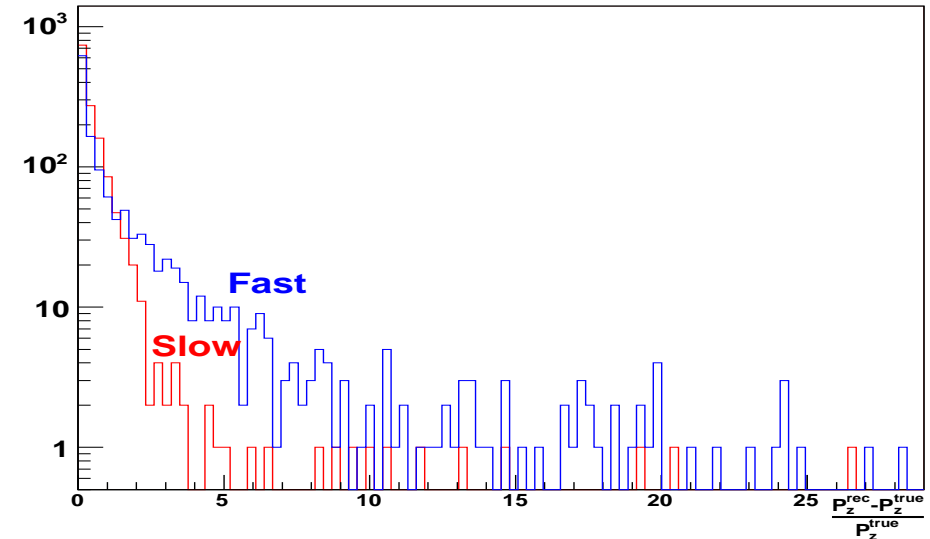
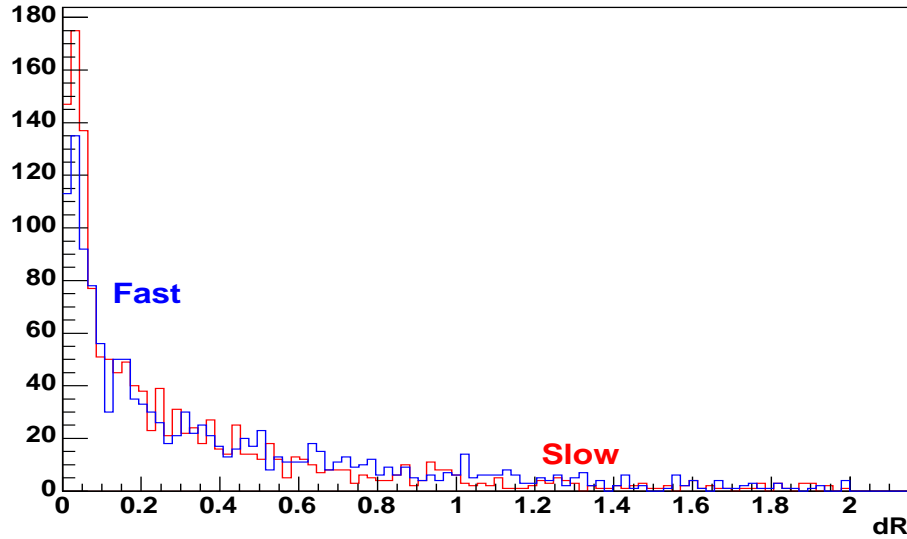
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- Till now, the W_{lept} with the highest p_T was used. Without any meaning since both solutions have the same p_T . They differ only in p_z .
- **Fast** (W with highest P) and **Slow** (W with the lowest P)



- Study the two solutions using the dR parameter.





- **RMS:** Fast: 0.79 Slow: 0.54
- **Events with $dR < 0.02$:** Fast: 46.6%(651/1396) Slow: 56.0%(782/1396)
- I've also checked the difference in η but got similar distributions.
- Choose the neutrino with the **smallest** p_z , just by statistical arguments.