Lepton ID Update

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Updates

- 1. add MindR and dd in muID
- 2. Compare ID efficiency between using MindR and dd

Without vs with MindR(WP 95%)



After adding MindR, it improves a lot at low momentum and low angle

Performance examples (20°) Without(left) vs with MindR(right)



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Performance examples (45°) Without(left) vs with MindR(right)



Use MindR(top) vs dd(bottom) WP: 70%(left), 90%, 95%(right)



Performance examples Use MindR(left) vs dd(right)



Summary

- 1) Adding MindR improves a lot at low momentum and low angle.
- 2) MindR and dd have similar ID efficiency.
- Work to do:
- 1) Try to use machine learning to conbine all information.