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3-flavor oscillations with current and future atmospheric experiments

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Atmospheric neutrinos are comprised of both electron and muon neutrinos with a wide range of energies and baselines. In addition, those that pass through the earth are subject to substantial matter effects. Therefore, atmospheric neutrinos are a natural laboratory for exploring 3-flavor neutrino oscillation with sensitivity to the unknown mass ordering and CP violating phase. I will review the results from current experiments and the prospects for future experiments.