MicroBooNE, In Progress MC muons (entering TPC) MC muons (>5cm in TPC) MC muons (>25cm in TPC) Reconstructed as PFParticle Reconstructed as track>25cm 25000 Reconstructed as track>5cm 2.3ms drift 2.3ms drift 2.3ms drift 20000 -Muons per pin 20000 - 5000 -1.0 Muon reconstruction fraction

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8

9 Optimal reconstruction Optimal reconstruction Optimal reconstruction $\dot{\varepsilon} = (98.40 \pm 0.04)\%$ $\varepsilon = (98.19 \pm 0.04)\%$ $\varepsilon = (97.84 \pm 0.05)\%$ 0.0 -2 -4**-**2 -4 True muon generation time [ms] True muon generation time [ms] True muon generation time [ms]