tt simulation, PU200 10⁹ Truth particles Charged hadrons 10⁸ Neutral hadrons **Photons** 10⁷ **Electrons** 10⁶ Muons 10⁵ 10⁴ 10³ 10² 10¹ 20 40 60 80 Truth particle p_T [GeV] 10⁹ Truth particles **Electrons** Charged hadrons 10⁸ Neutral hadrons Muons **Photons** 10⁷ 10⁶ 10⁵ 10^{4} 10³ 10² 10¹ 5 -5 0 Truth particle η