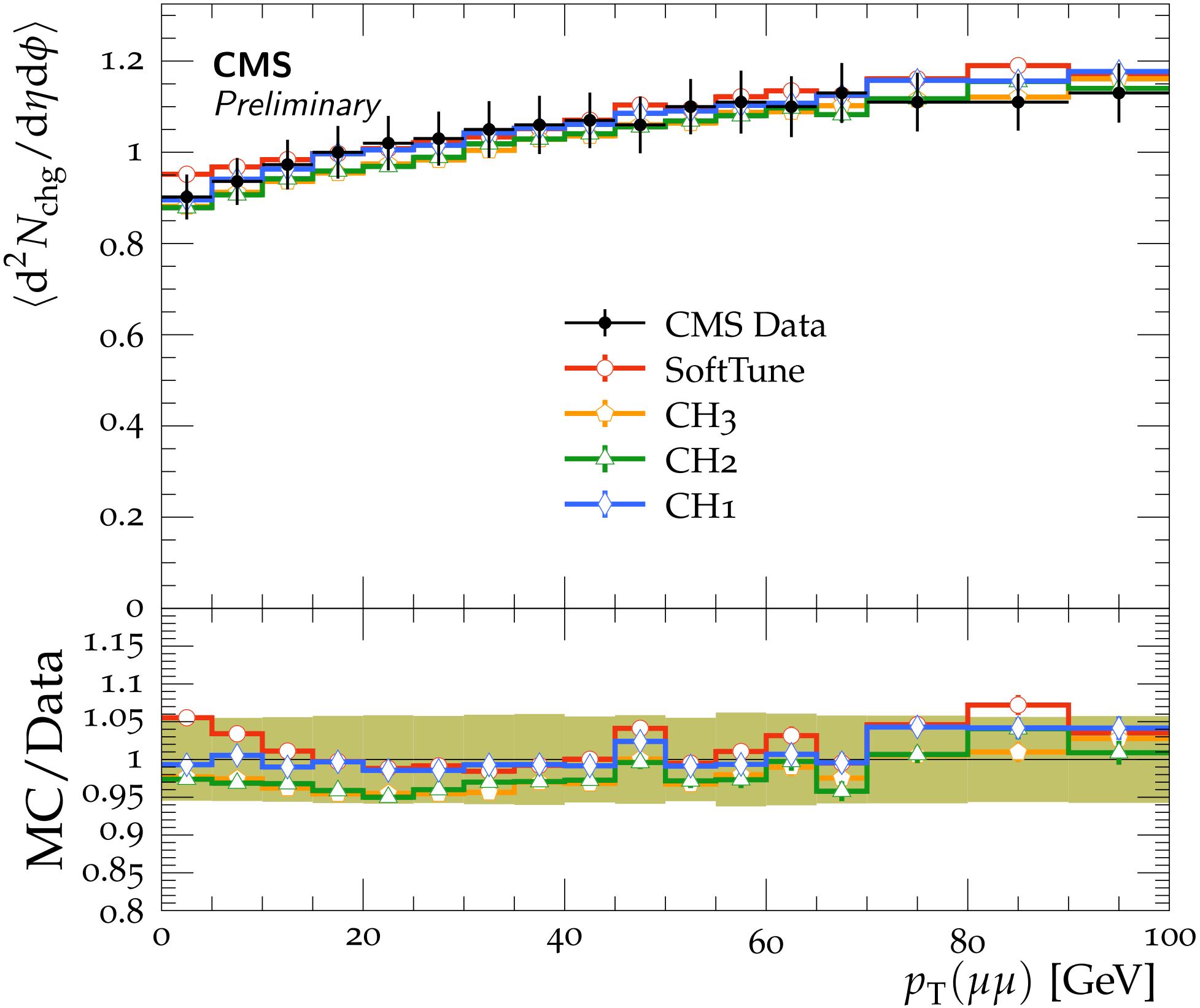Toward charged-particle density $\sqrt{s} = 13\,\mathrm{TeV}$