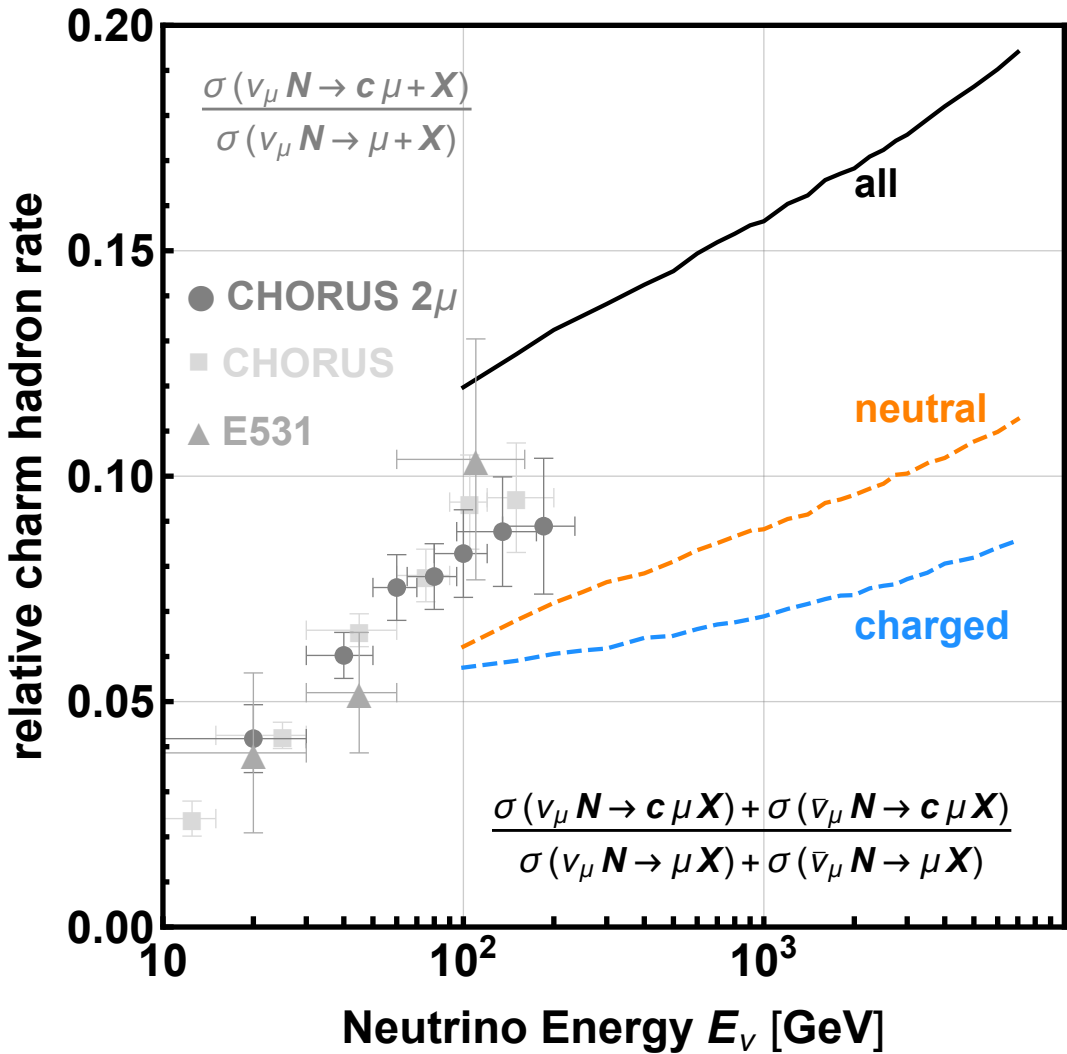
$\frac{\sigma(\nu_\mu N \to c\,\mu + X)}{\sigma(\nu_\mu N \to \mu + X)}$
CHORUS 2$\mu$
CHORUS
E531
all
neutral
charged
$\frac{\sigma(\nu_\mu N \to c\,\mu X) + \sigma(\bar{\nu}_\mu N \to c\,\mu X)}{\sigma(\nu_\mu N \to \mu X) + \sigma(\bar{\nu}_\mu N \to \mu X)}$
relative charm hadron rate
0.20
0.15
0.10
0.05
0.00
10
$10^2$
$10^3$
Neutrino Energy $E_\nu$ [GeV]