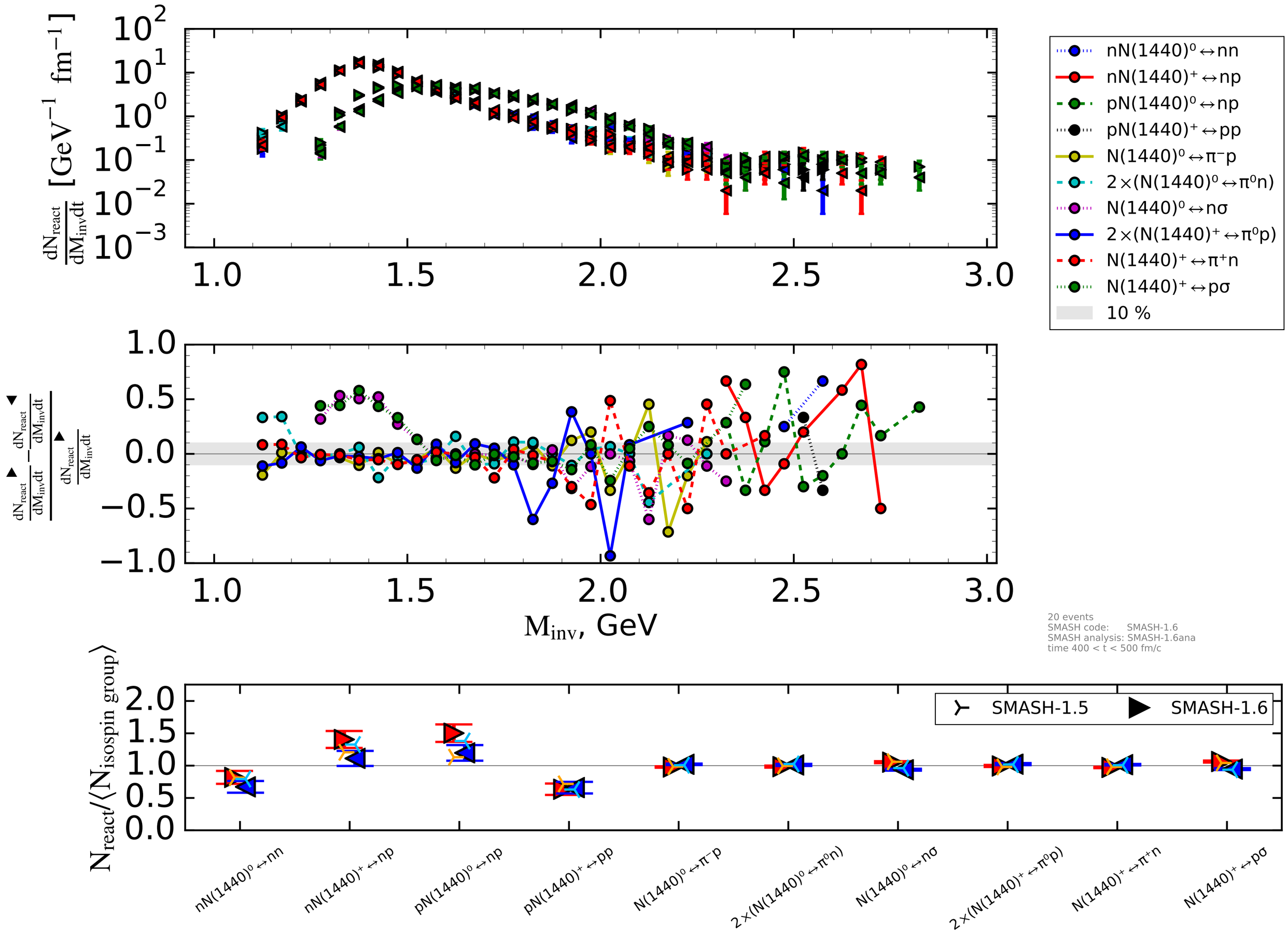
$\frac{dN_{react}}{dM_{inv}dt}$ [GeV^{-1} fm^{-1}]
M_{inv}, GeV
nN(1440)^0↔nn
nN(1440)$^+$↔np
pN(1440)^0↔np
pN(1440)$^+$↔pp
N(1440)^0↔π$^-$p
2×(N(1440)^0↔π^{0}n)
N(1440)^0↔nσ
2×(N(1440)$^+$↔π^{0}p)
N(1440)$^+$↔π$^+$n
N(1440)$^+$↔pσ
10 %
20 events
SMASH code: SMASH-1.6
SMASH analysis: SMASH-1.6ana
time 400 < t < 500 fm/c
SMASH-1.5
SMASH-1.6
$N_{react}/\langle N_{isospin\ group}\rangle$