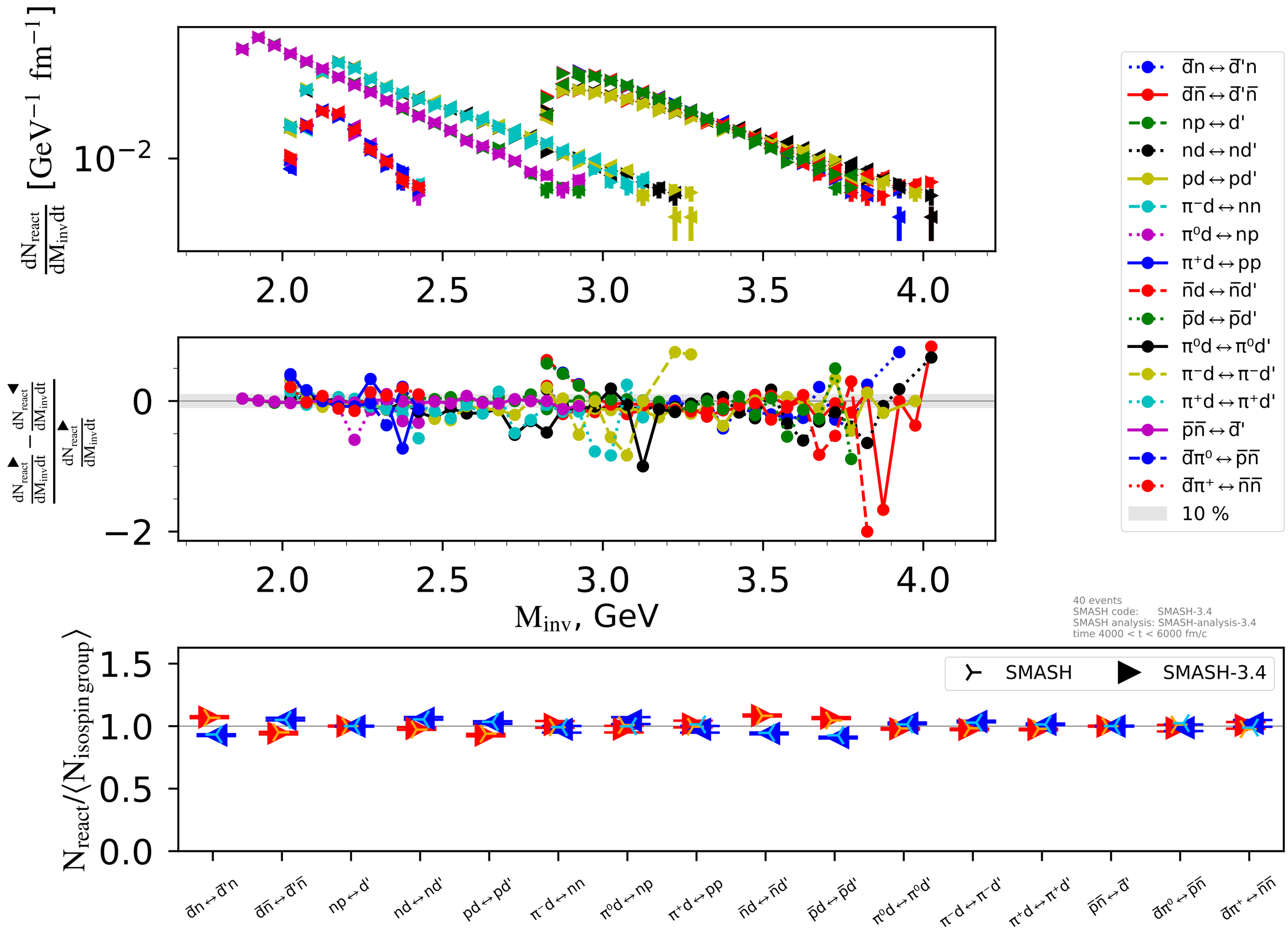
$\frac{dN_{react}}{dM_{inv}dt}$ [GeV^{-1} fm^{-1}]
10^{-2}
2.0
2.5
3.0
3.5
4.0
$\frac{dN_{react}^{\blacktriangle}}{dM_{inv}dt} - \frac{dN_{react}^{\blacktriangledown}}{dM_{inv}dt} \Big/ \frac{dN_{react}^{\blacktriangle}}{dM_{inv}dt}$
0
−2
M_{inv}, GeV
$\bar{d}n \leftrightarrow \bar{d}'n$
$\bar{d}\bar{n} \leftrightarrow \bar{d}'\bar{n}$
$np \leftrightarrow d'$
$nd \leftrightarrow nd'$
$pd \leftrightarrow pd'$
$\pi^- d \leftrightarrow nn$
$\pi^0 d \leftrightarrow np$
$\pi^+ d \leftrightarrow pp$
$\bar{n}d \leftrightarrow \bar{n}d'$
$\bar{p}d \leftrightarrow \bar{p}d'$
$\pi^0 d \leftrightarrow \pi^0 d'$
$\pi^- d \leftrightarrow \pi^- d'$
$\pi^+ d \leftrightarrow \pi^+ d'$
$\bar{p}\bar{n} \leftrightarrow \bar{d}'$
$\bar{d}\pi^0 \leftrightarrow \bar{p}\bar{n}$
$\bar{d}\pi^+ \leftrightarrow \bar{n}\bar{n}$
10 %
40 events
SMASH code: SMASH-3.4
SMASH analysis: SMASH-analysis-3.4
time 4000 < t < 6000 fm/c
$N_{react}/\langle N_{isospin\ group}\rangle$
1.5
1.0
0.5
0.0
SMASH
SMASH-3.4
$\bar{d}n \leftrightarrow \bar{d}'n$
$\bar{d}\bar{n} \leftrightarrow \bar{d}'\bar{n}$
$np \leftrightarrow d'$
$nd \leftrightarrow nd'$
$pd \leftrightarrow pd'$
$\pi^- d \leftrightarrow nn$
$\pi^0 d \leftrightarrow np$
$\pi^+ d \leftrightarrow pp$
$\bar{n}d \leftrightarrow \bar{n}d'$
$\bar{p}d \leftrightarrow \bar{p}d'$
$\pi^0 d \leftrightarrow \pi^0 d'$
$\pi^- d \leftrightarrow \pi^- d'$
$\pi^+ d \leftrightarrow \pi^+ d'$
$\bar{p}\bar{n} \leftrightarrow \bar{d}'$
$\bar{d}\pi^0 \leftrightarrow \bar{p}\bar{n}$
$\bar{d}\pi^+ \leftrightarrow \bar{n}\bar{n}$