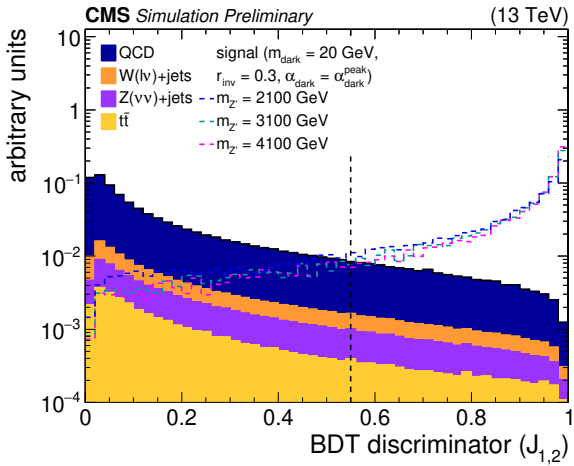
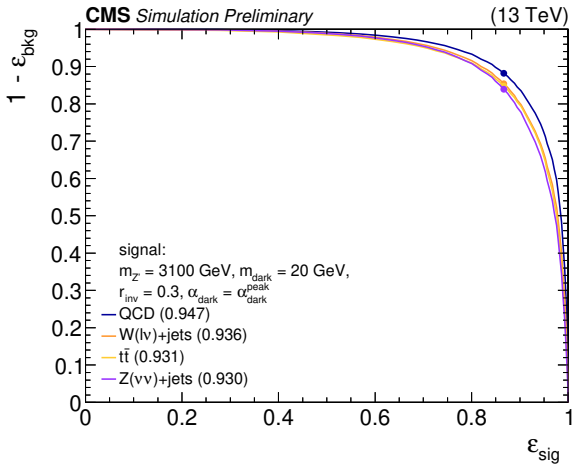

CMS Simulation Preliminary
(13 TeV)
arbitrary units
QCD
W(lν)+jets
Z(νν)+jets
tt̄
signal (m_{dark} = 20 GeV, r_{inv} = 0.3, $\alpha_{dark} = \alpha_{dark}^{peak}$)
$m_{Z'}$ = 2100 GeV
$m_{Z'}$ = 3100 GeV
$m_{Z'}$ = 4100 GeV
BDT discriminator ($J_{1,2}$)


CMS Simulation Preliminary
(13 TeV)
$1 - \varepsilon_{bkg}$
signal:
$m_{Z'}$ = 3100 GeV, m_{dark} = 20 GeV,
r_{inv} = 0.3, $\alpha_{dark} = \alpha_{dark}^{peak}$
QCD (0.947)
W(lν)+jets (0.936)
tt̄ (0.931)
Z(νν)+jets (0.930)
ε_{sig}