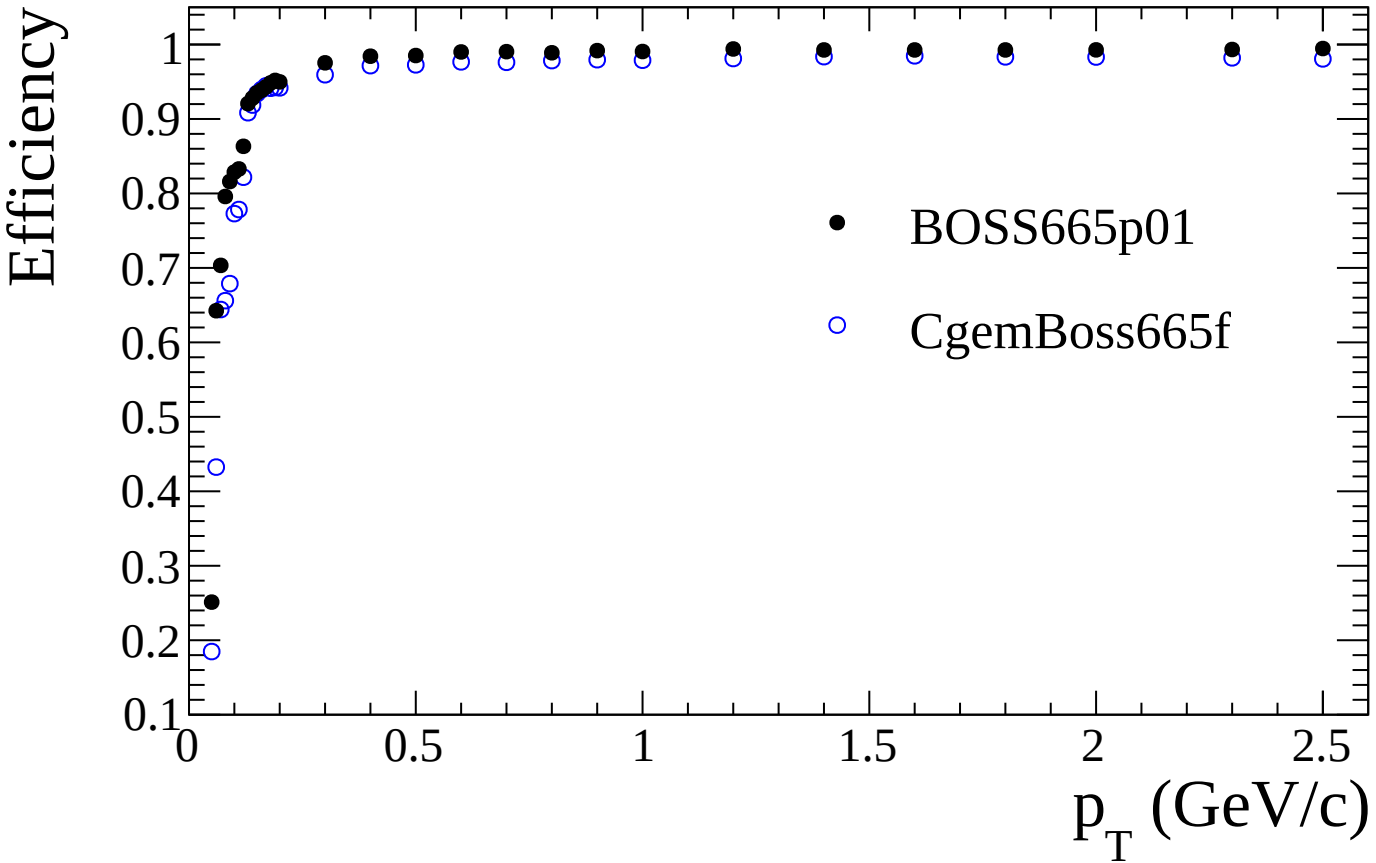
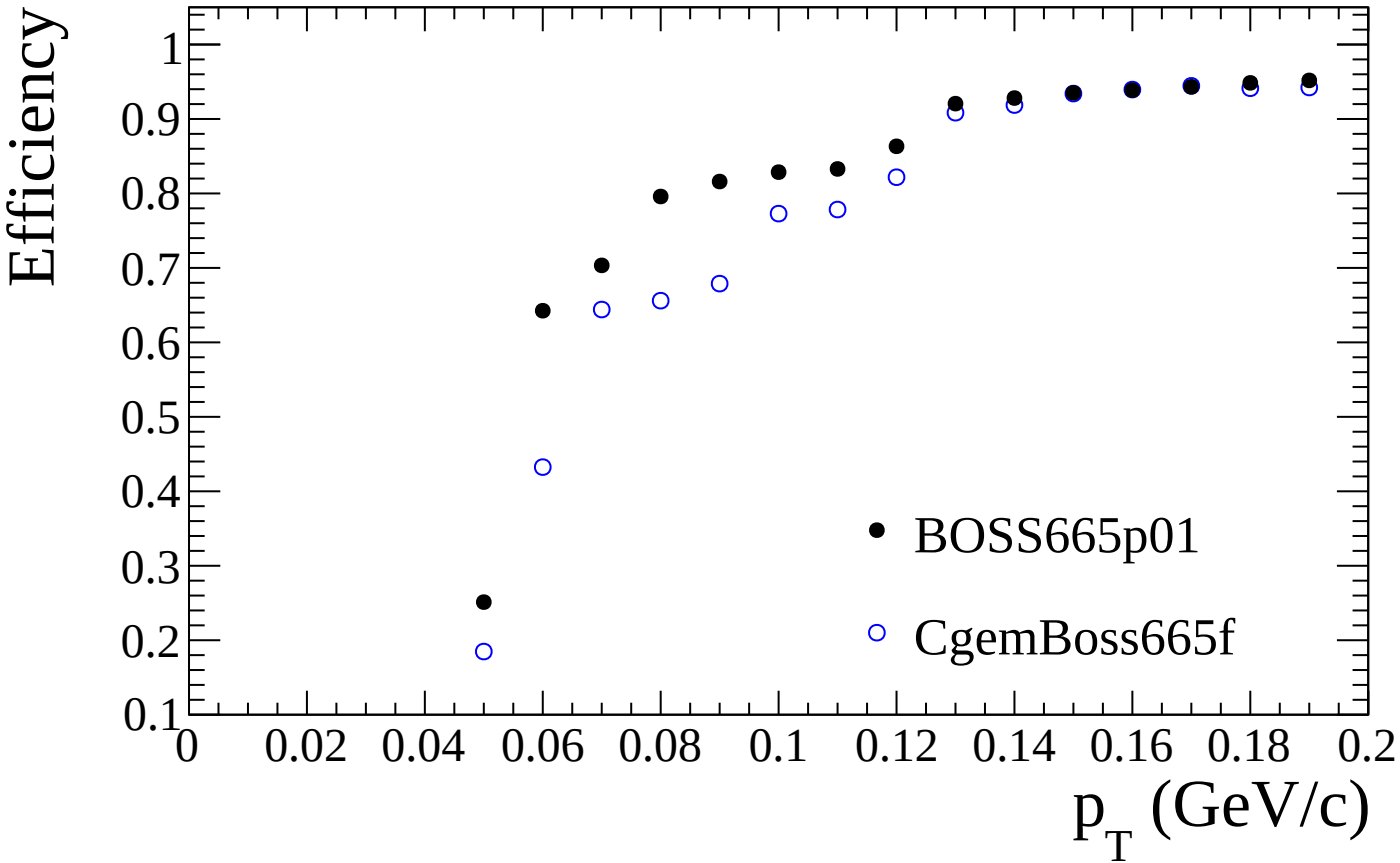
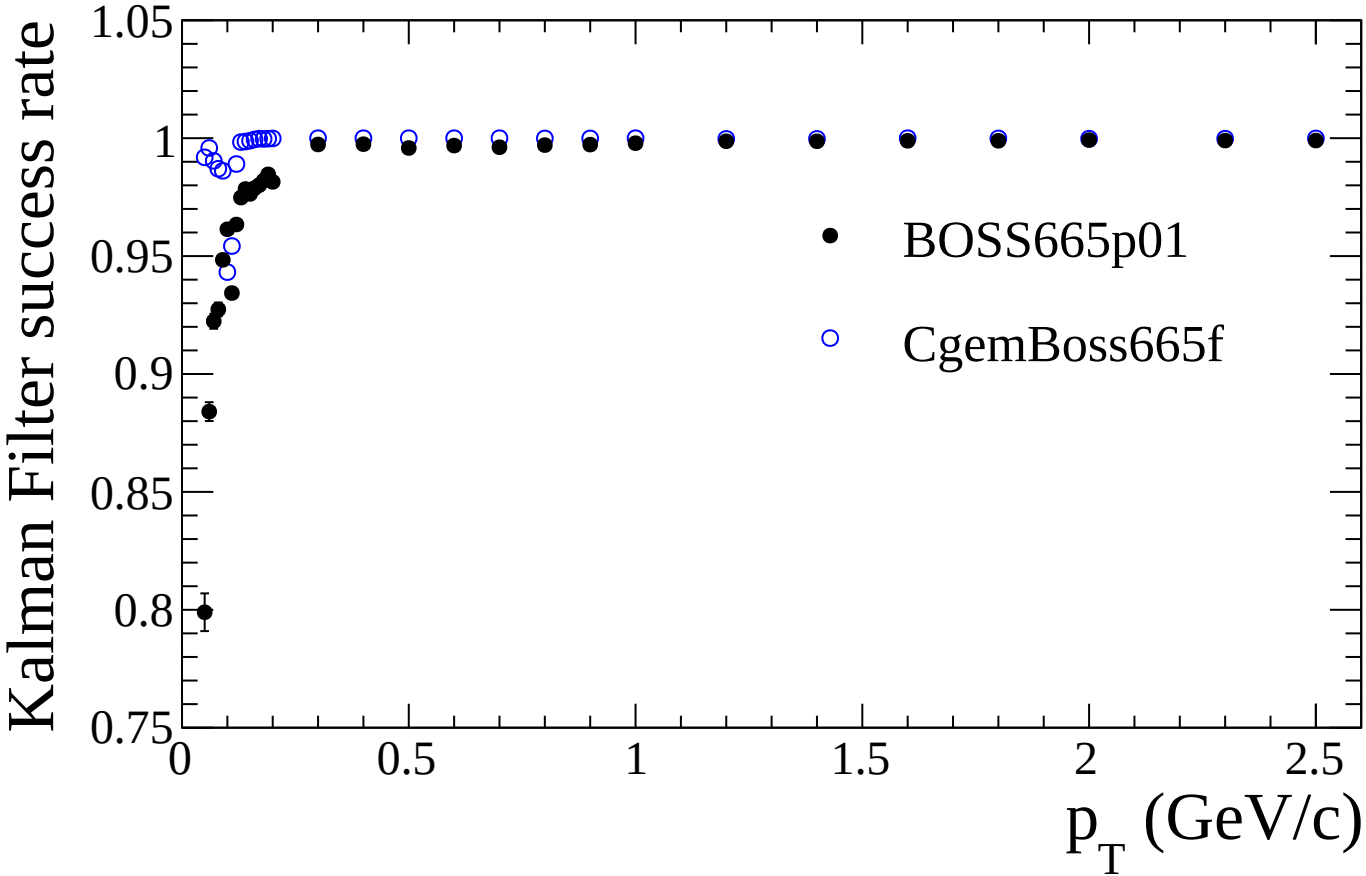
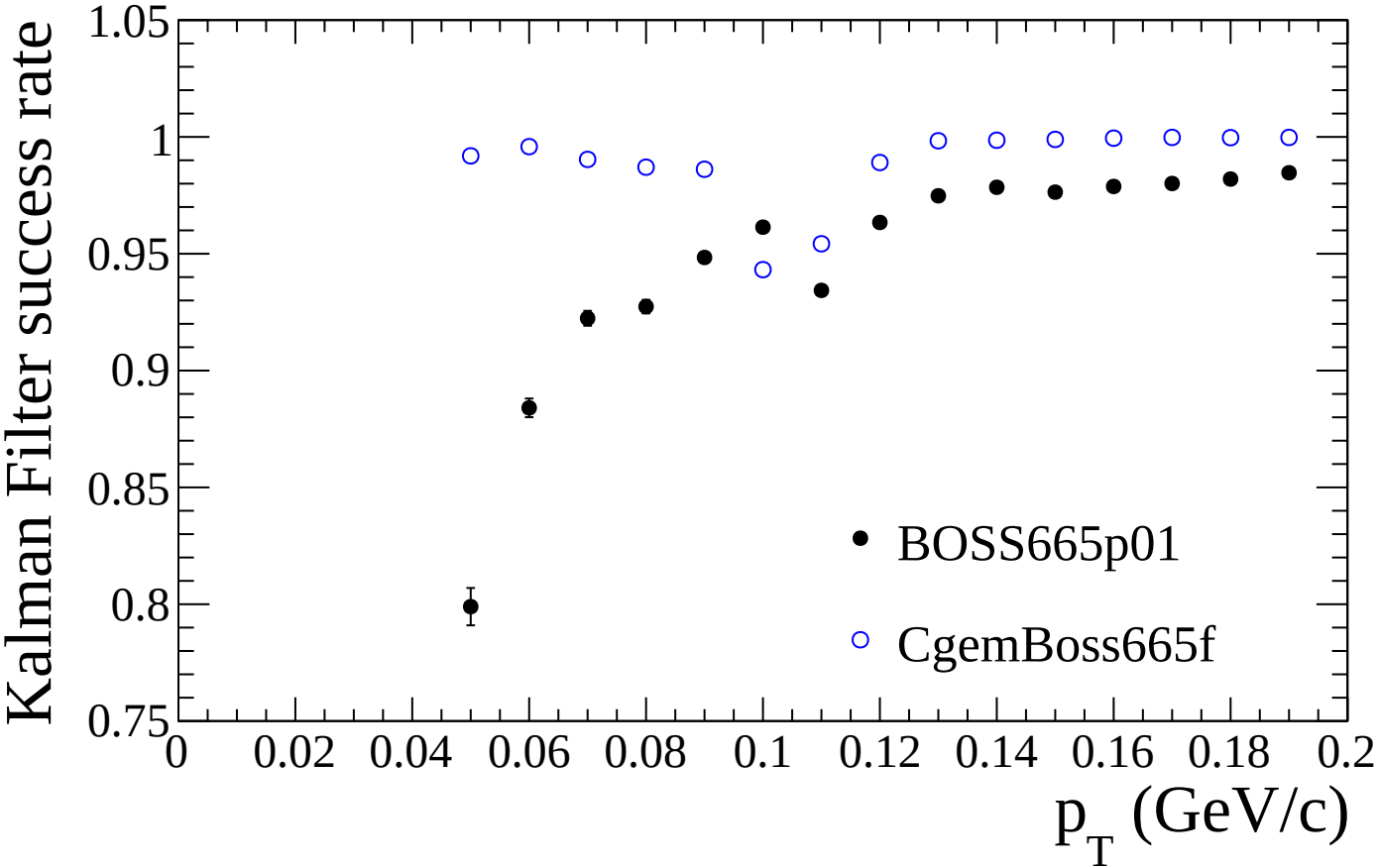
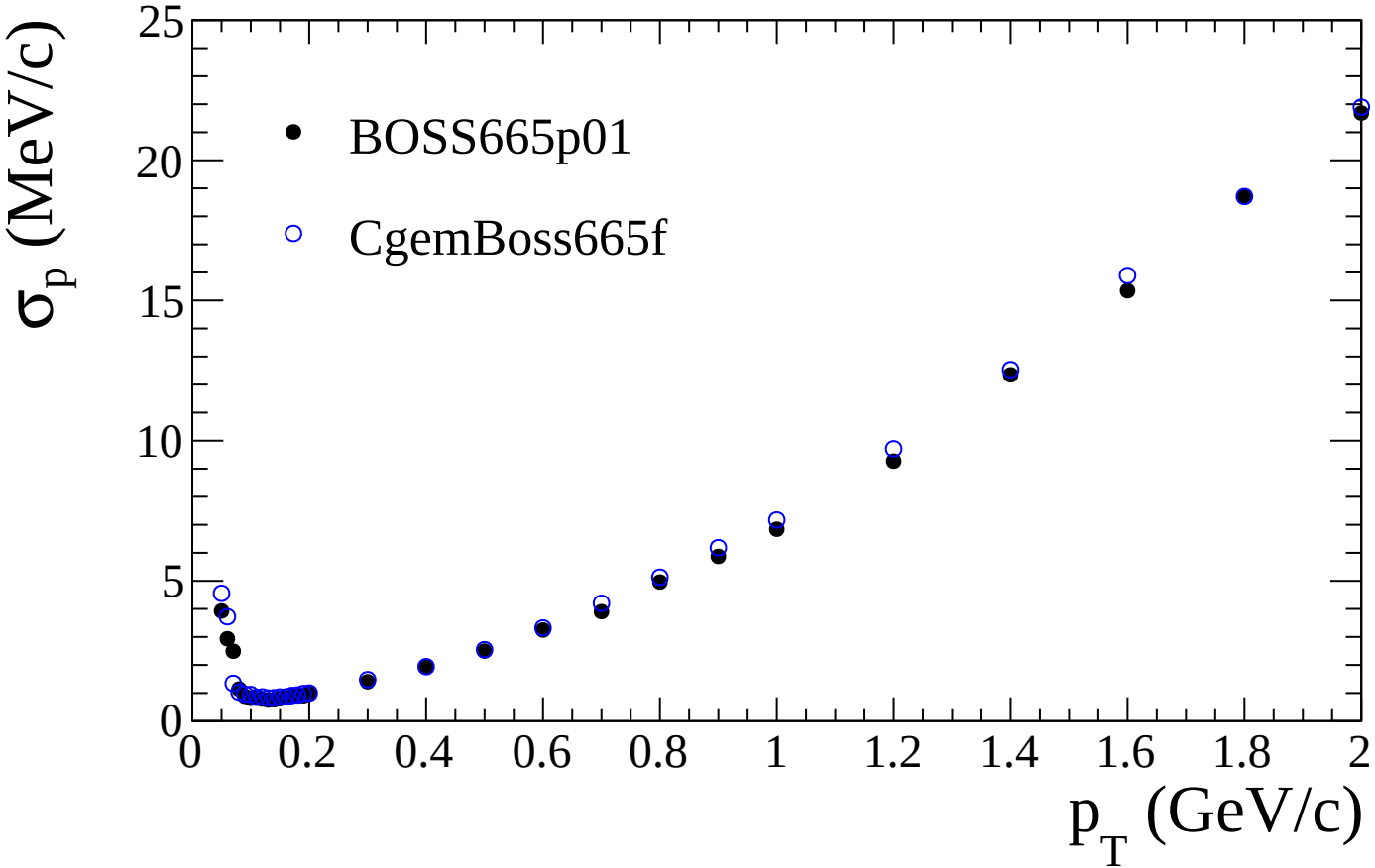
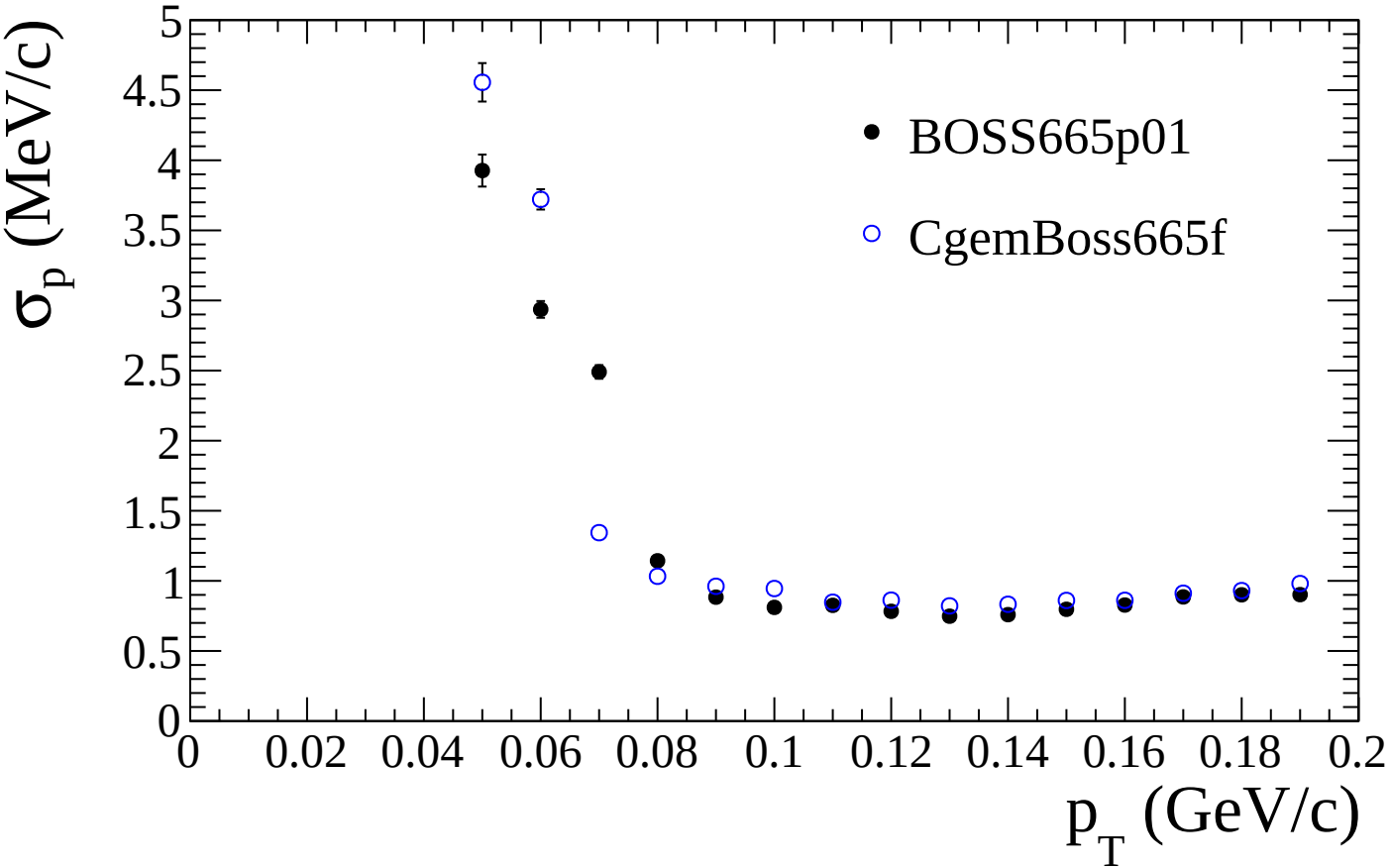

Efficiency
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.5
1
1.5
2
2.5
p_T (GeV/c)
BOSS665p01
CgemBoss665f

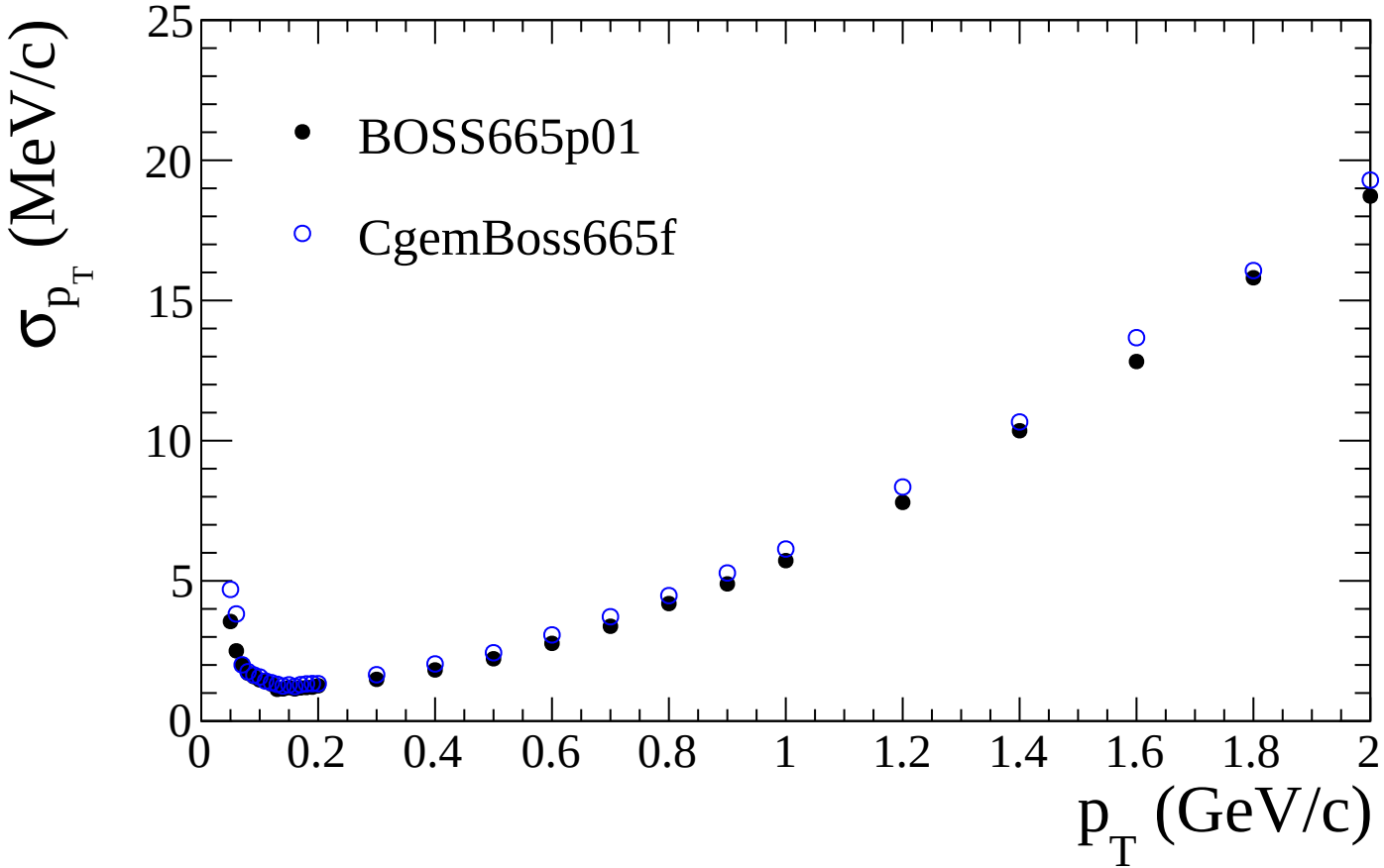

Efficiency
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
p_T (GeV/c)
BOSS665p01
CgemBoss665f

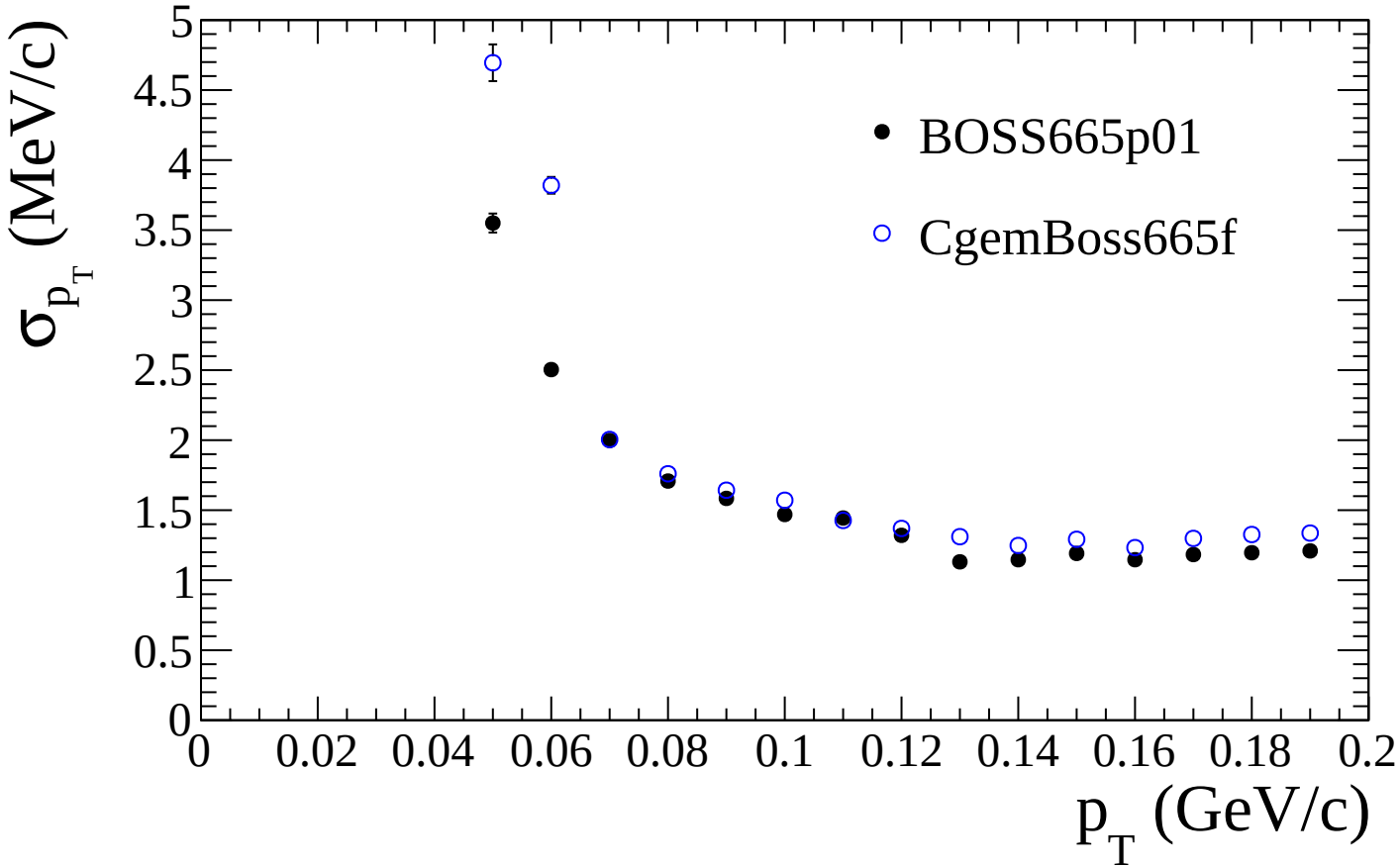

Kalman Filter success rate
1.05
1
0.95
0.9
0.85
0.8
0.75
0
0.5
1
1.5
2
2.5
p_T (GeV/c)
BOSS665p01
CgemBoss665f

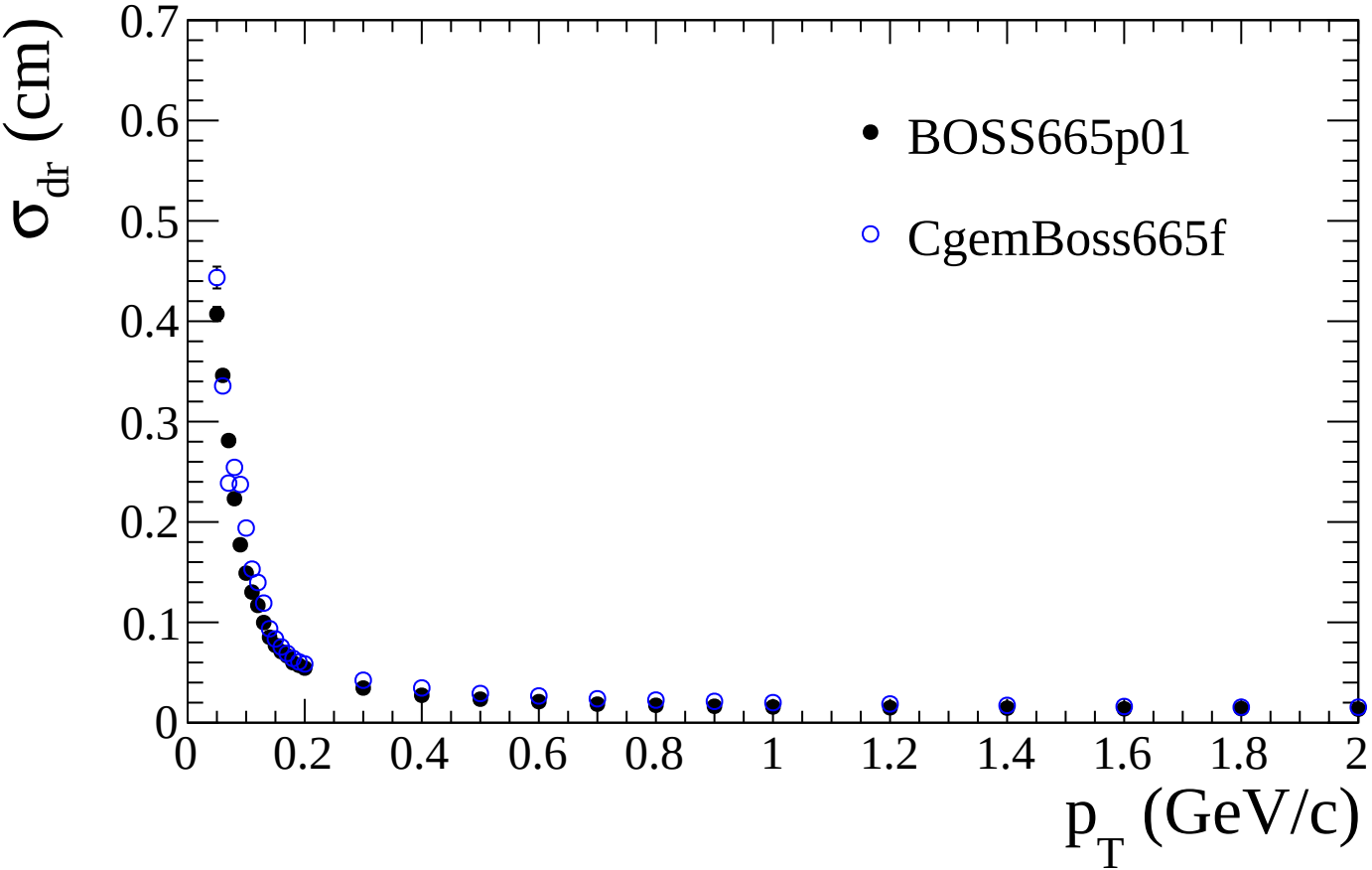

Kalman Filter success rate
1.05
1
0.95
0.9
0.85
0.8
0.75
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
p_T (GeV/c)
BOSS665p01
CgemBoss665f

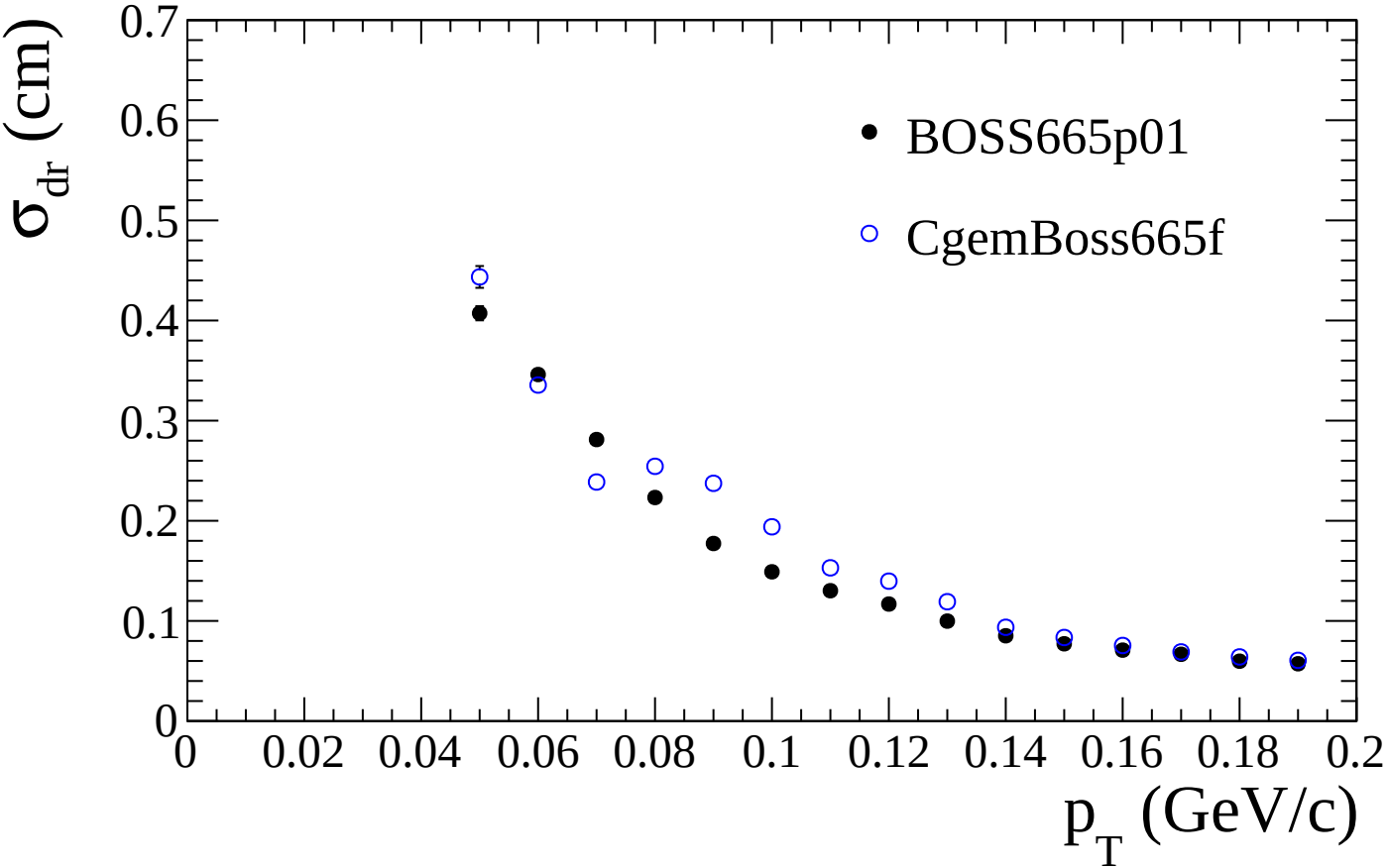

BOSS665p01
CgemBoss665f
σ_p (MeV/c)
p_T (GeV/c)
0
5
10
15
20
25
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

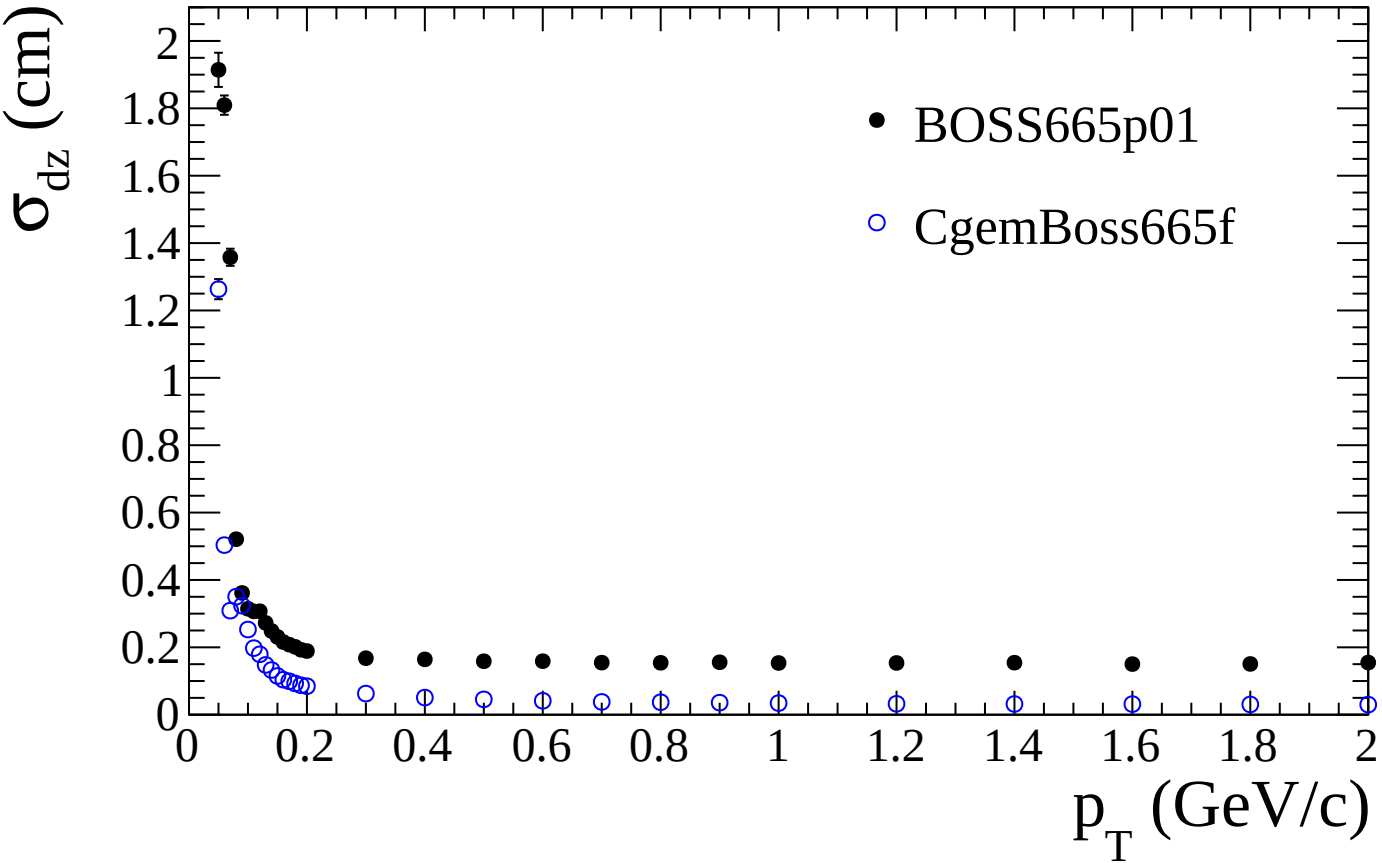

σ_p (MeV/c)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
p_T (GeV/c)
BOSS665p01
CgemBoss665f

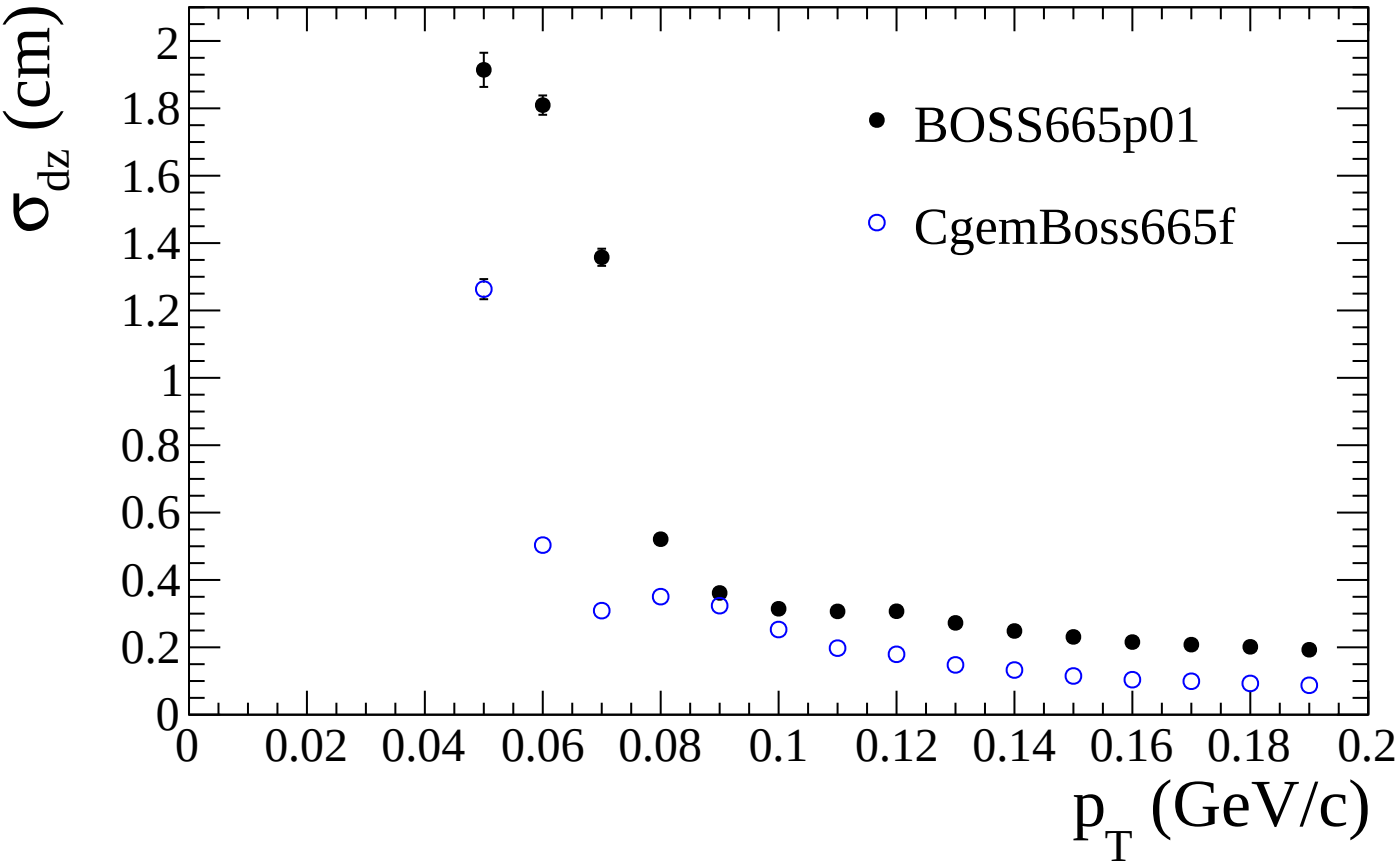

BOSS665p01
CgemBoss665f
σ_{p_T} (MeV/c)
p_T (GeV/c)
0
5
10
15
20
25
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

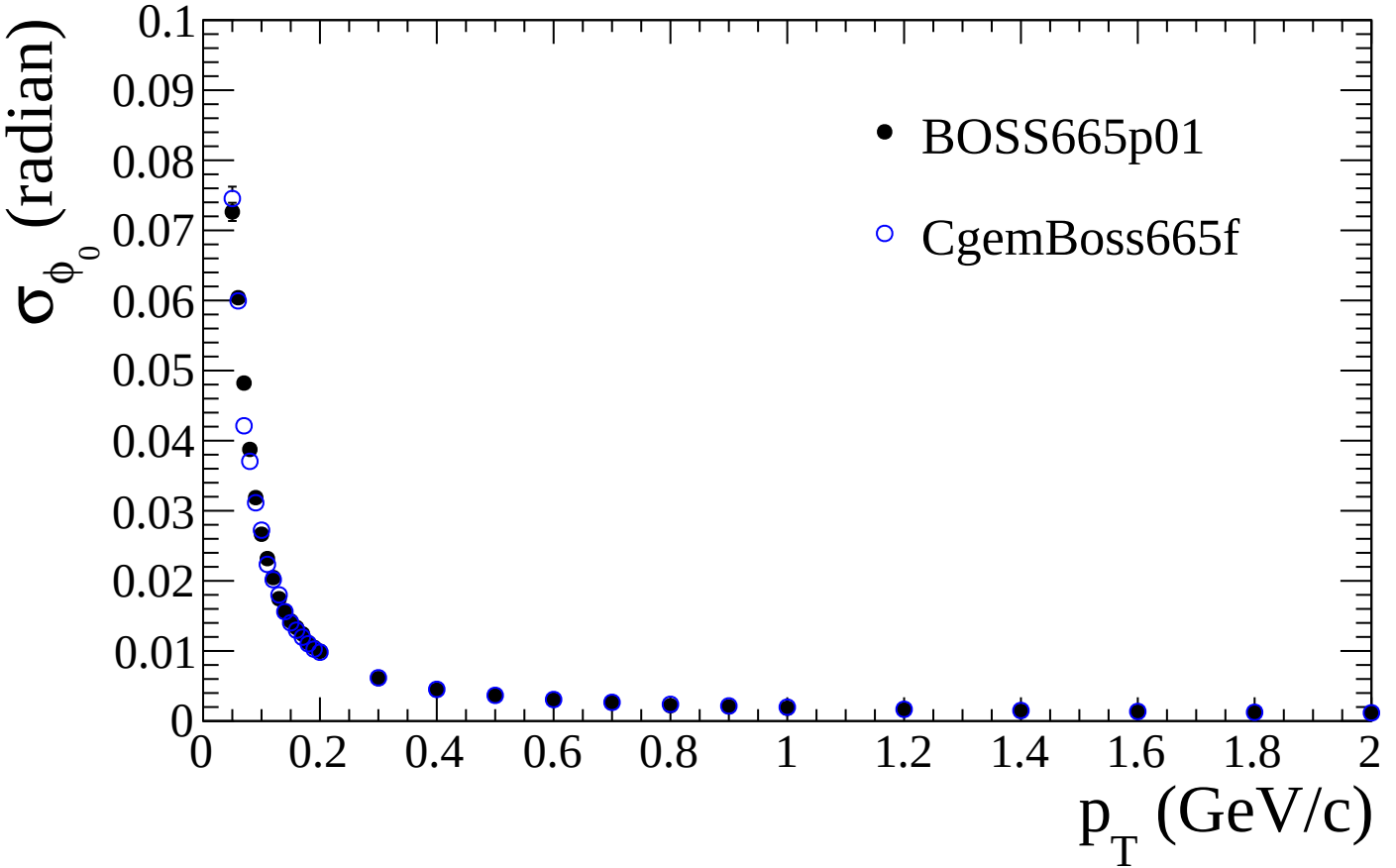

σ_{p_T} (MeV/c)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
p_T (GeV/c)
BOSS665p01
CgemBoss665f

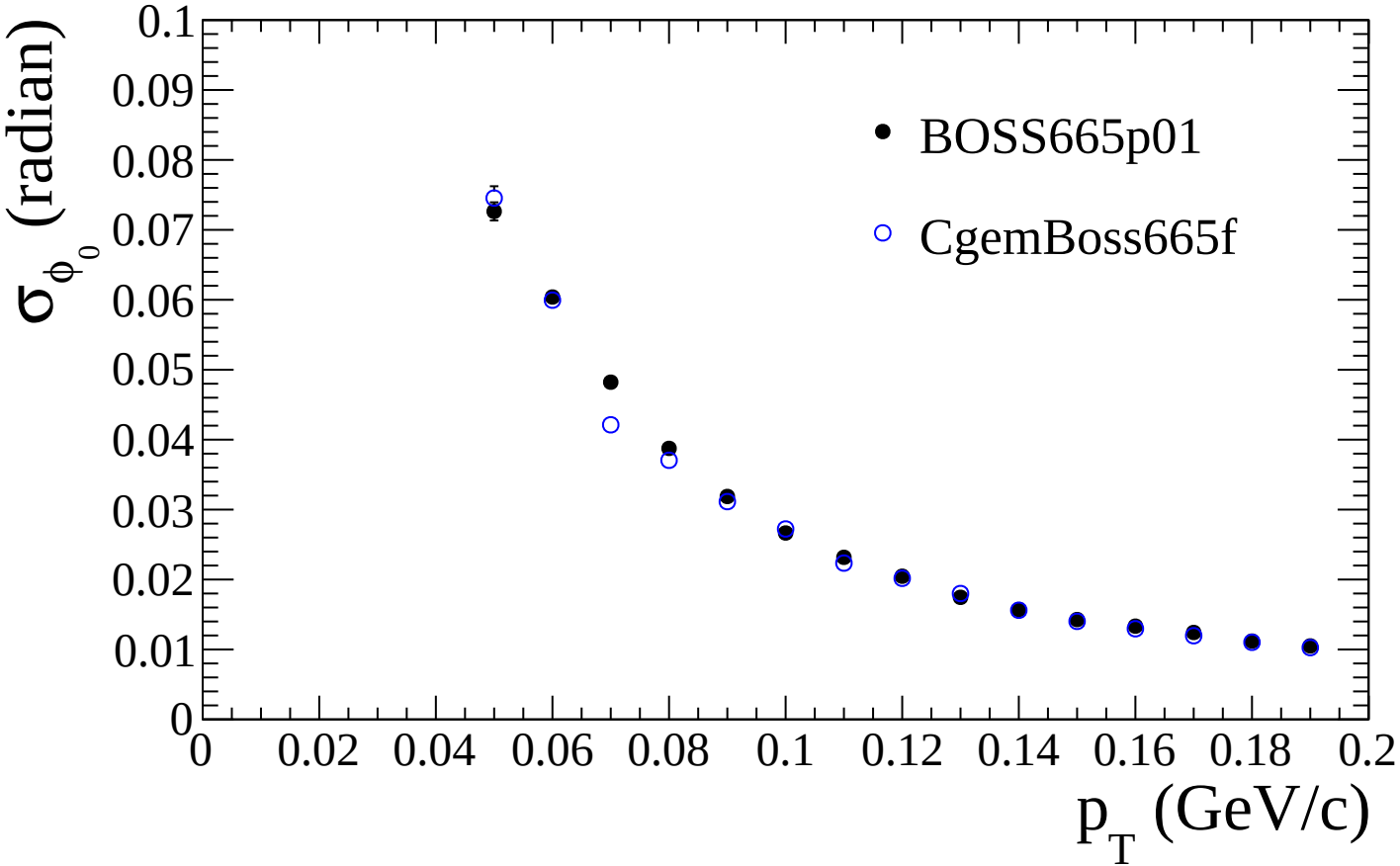

σ_{dr} (cm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
p_T (GeV/c)
BOSS665p01
CgemBoss665f

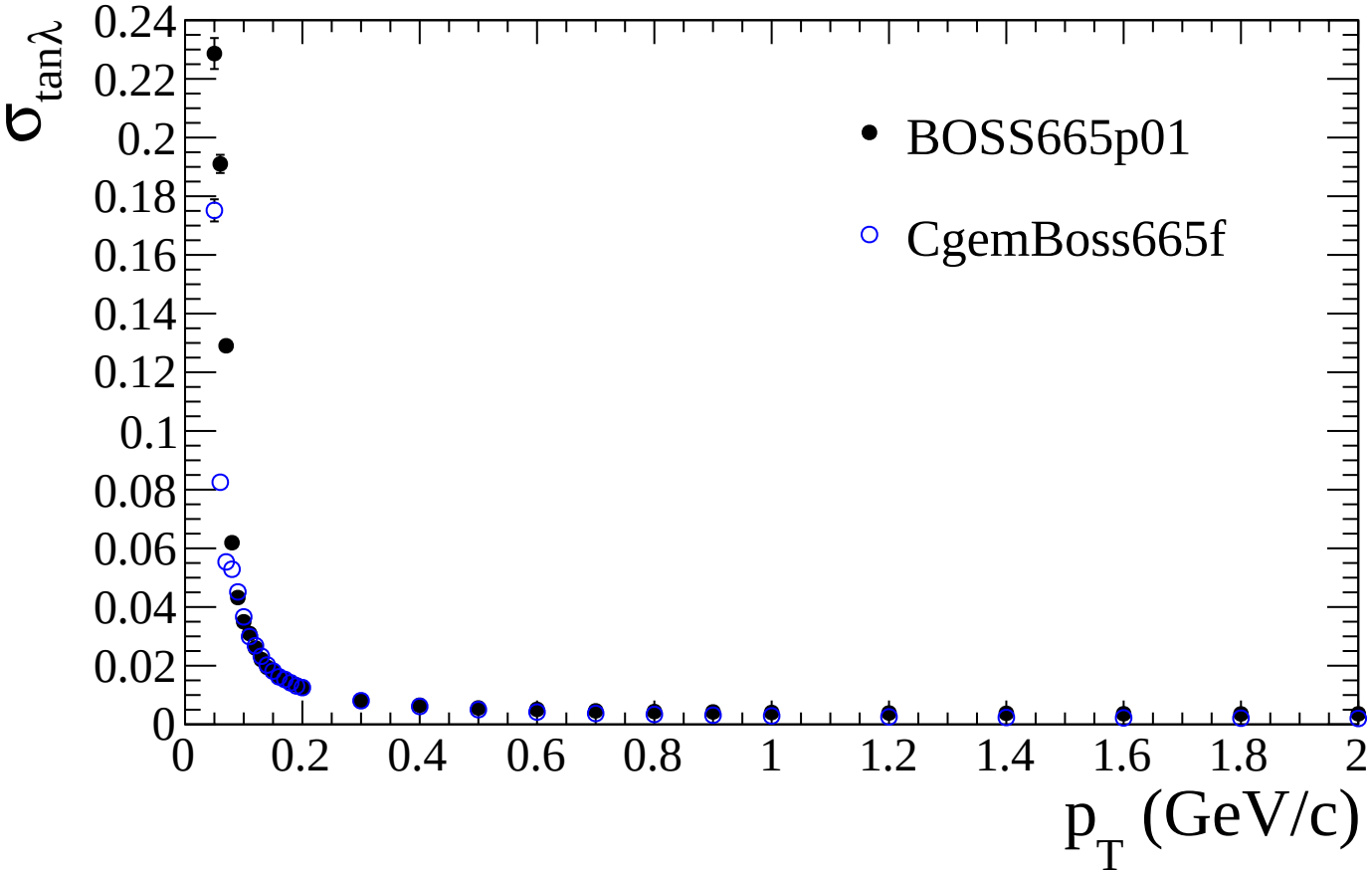

σ_{dr} (cm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
p_T (GeV/c)
BOSS665p01
CgemBoss665f

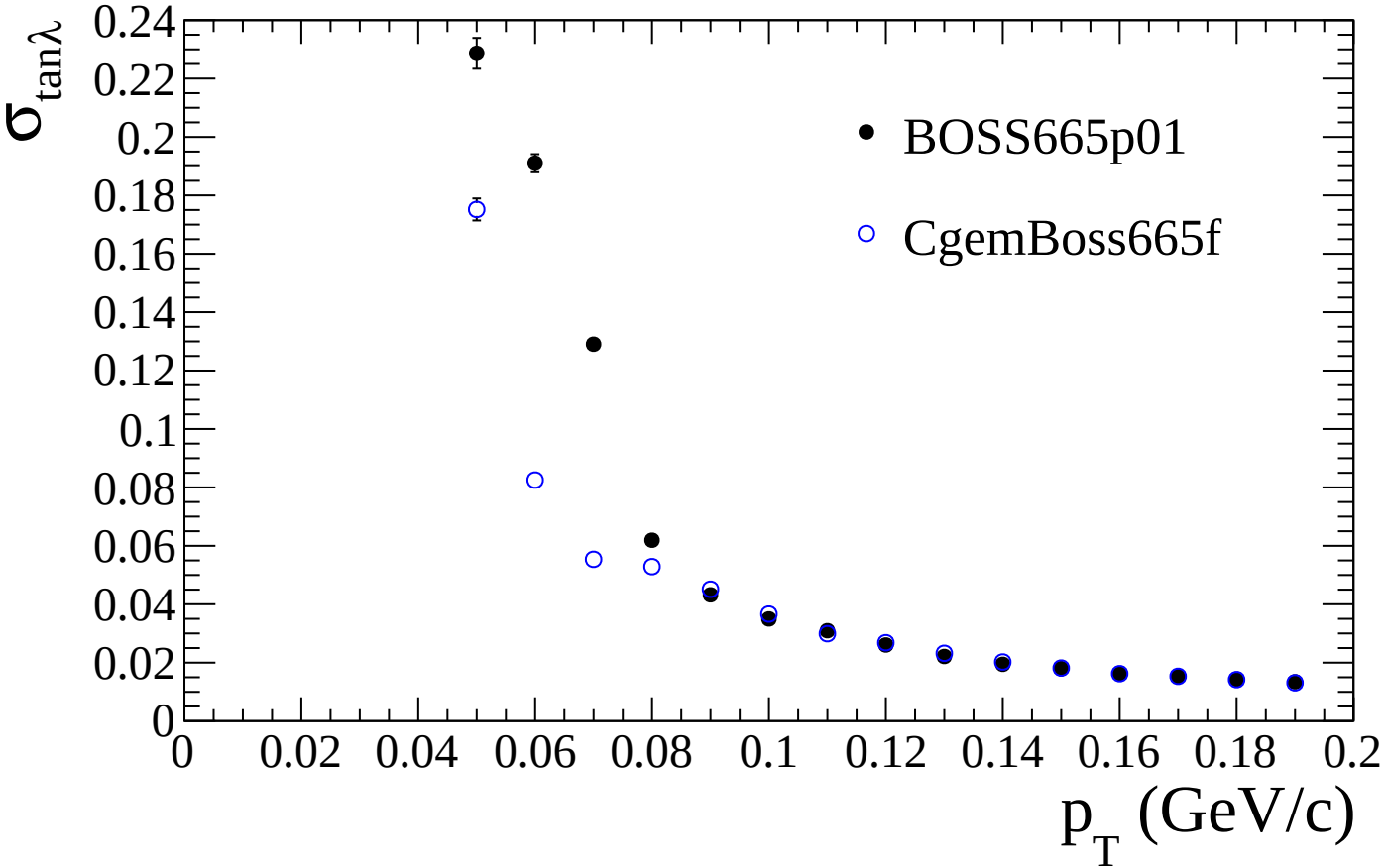

σ_{dz} (cm)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
p_T (GeV/c)
BOSS665p01
CgemBoss665f

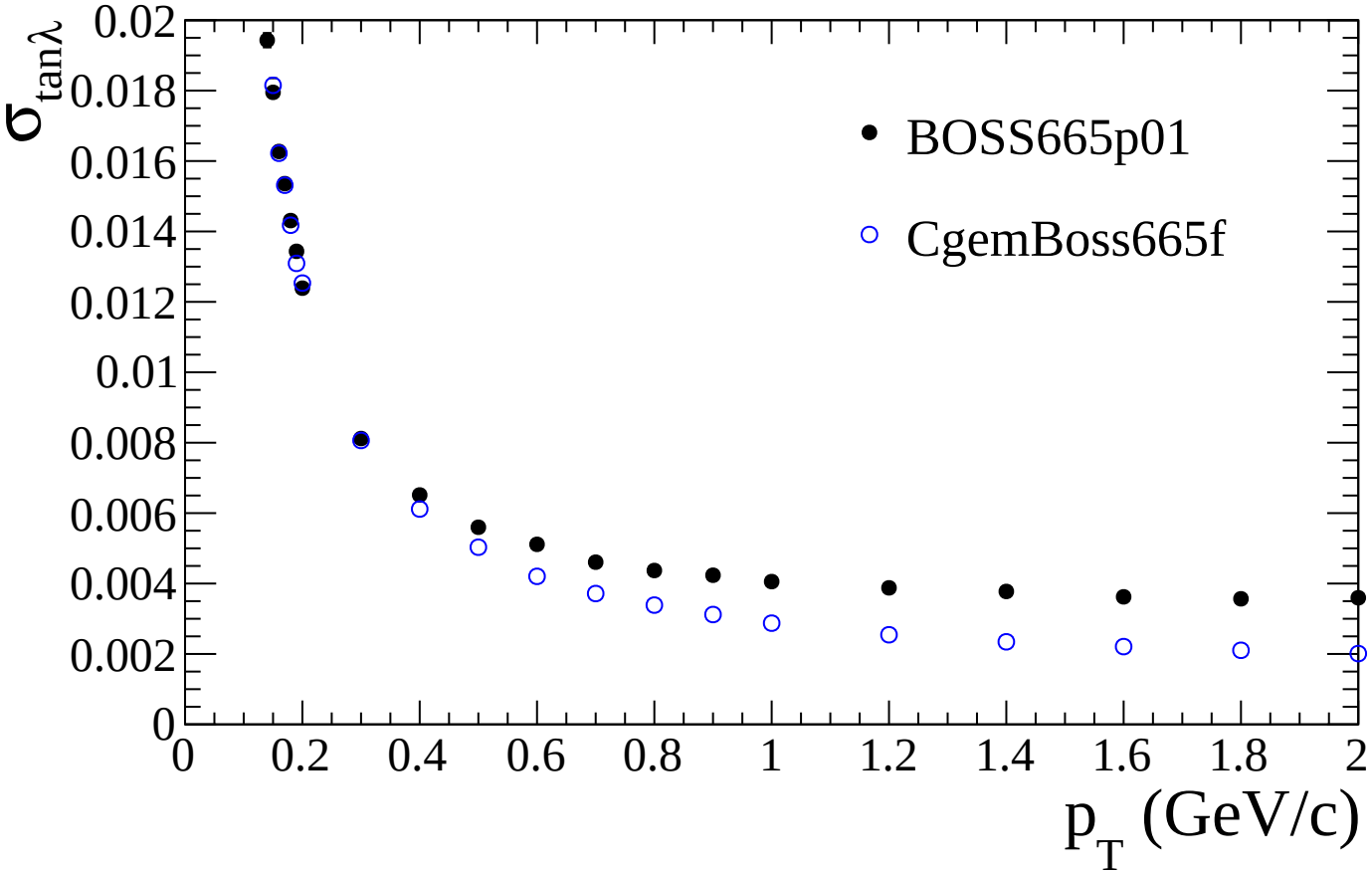

σ_{dz} (cm)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
p_T (GeV/c)
BOSS665p01
CgemBoss665f


σ_{ϕ_0} (radian)
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
p_T (GeV/c)
BOSS665p01
CgemBoss665f


σ_{ϕ_0} (radian)
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
p_T (GeV/c)
BOSS665p01
CgemBoss665f


$\sigma_{\tan\lambda}$
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
p_T (GeV/c)
BOSS665p01
CgemBoss665f


$\sigma_{\tan\lambda}$
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
p_T (GeV/c)
BOSS665p01
CgemBoss665f


$\sigma_{\tan\lambda}$
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
p_T (GeV/c)
BOSS665p01
CgemBoss665f