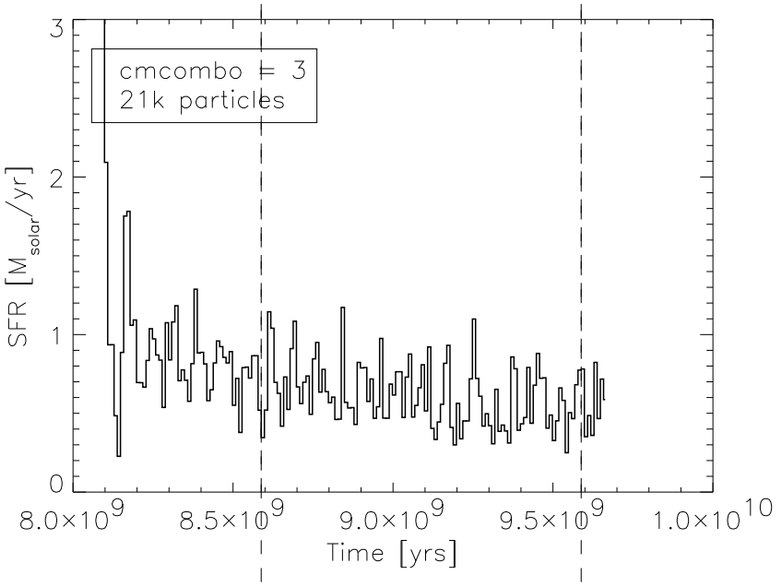
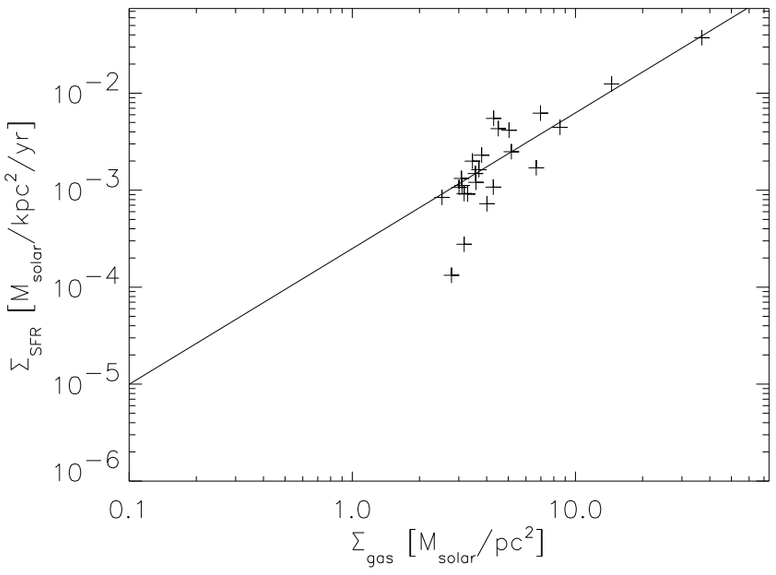
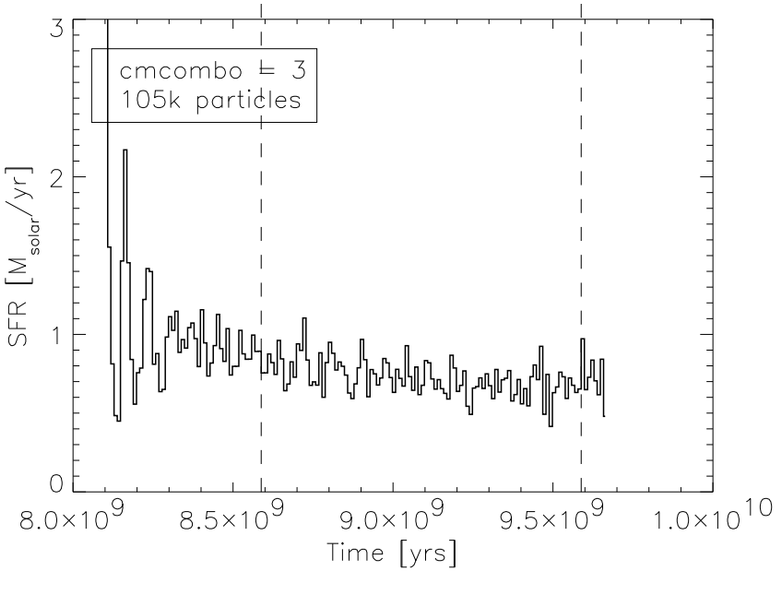
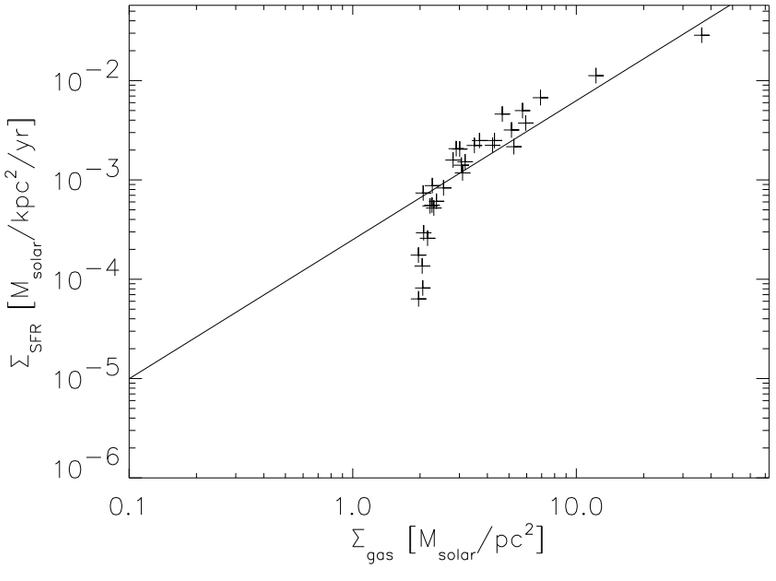
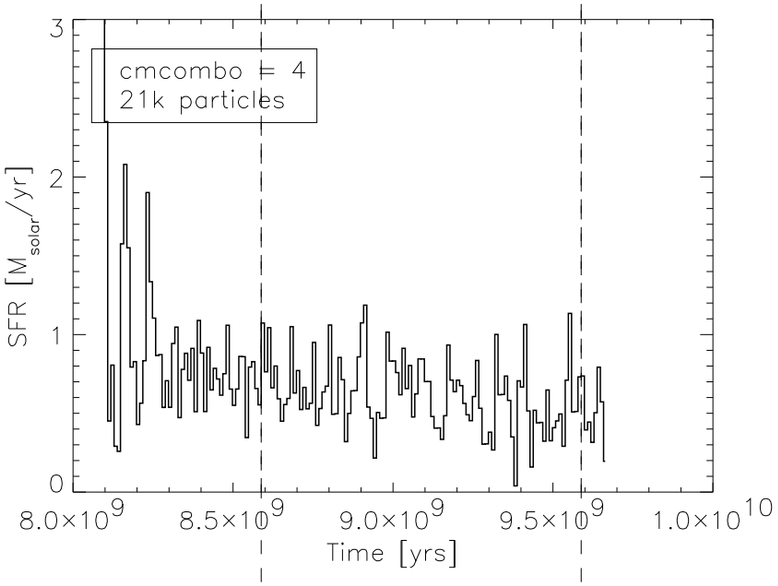
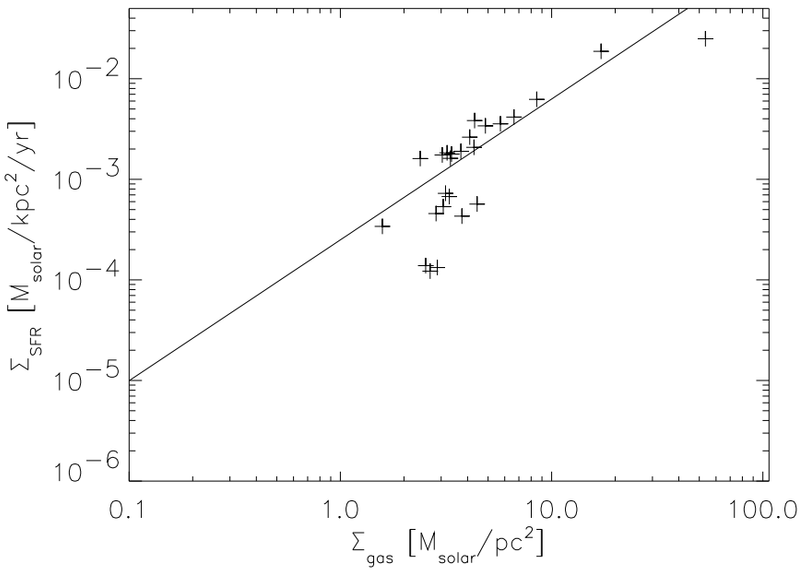

cmcombo = 3
21k particles
SFR [M_solar/yr]
Time [yrs]
0
1
2
3
8.0×10^9
8.5×10^9
9.0×10^9
9.5×10^9
1.0×10^10

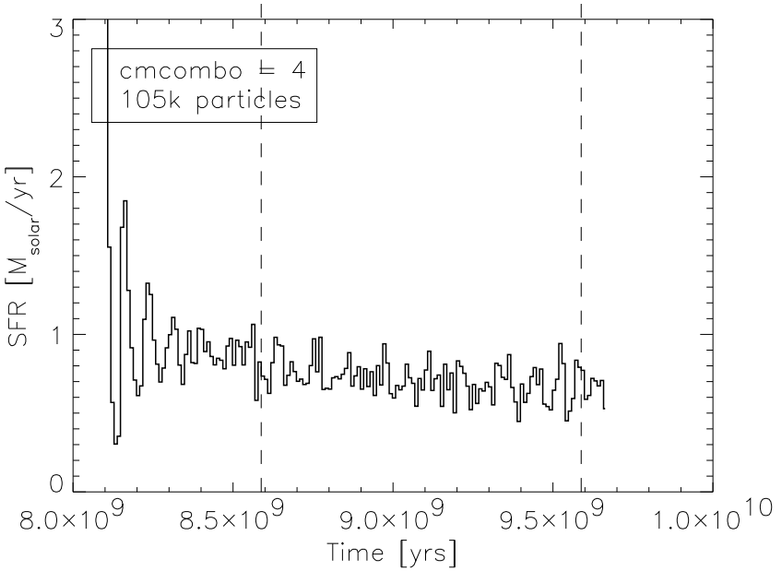

Σ_SFR [M_solar/kpc^2/yr]
Σ_gas [M_solar/pc^2]
10^-2
10^-3
10^-4
10^-5
10^-6
0.1
1.0
10.0

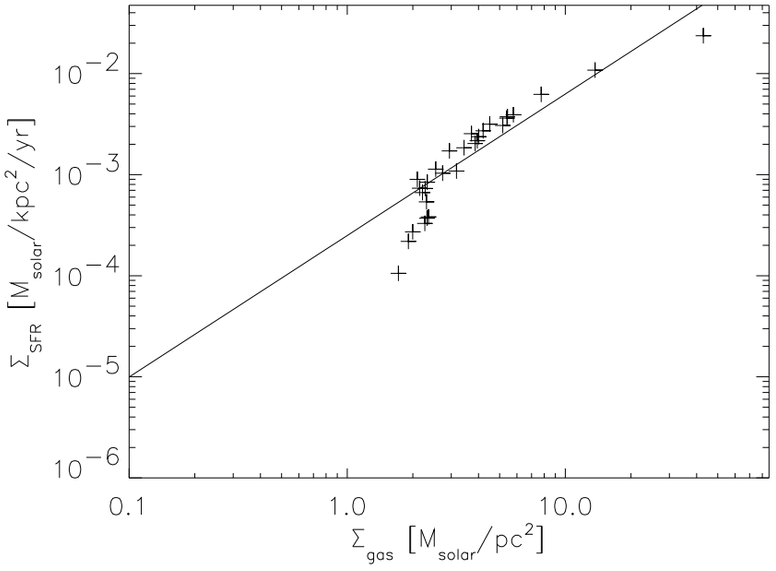

cmcombo = 3
105k particles
SFR [M_solar/yr]
Time [yrs]
0
1
2
3
8.0×10^9
8.5×10^9
9.0×10^9
9.5×10^9
1.0×10^10

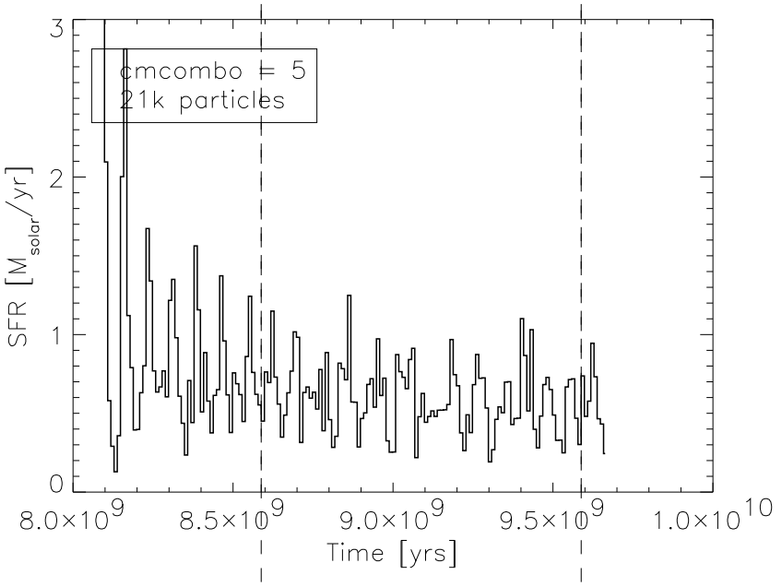

Σ_SFR [M_solar/kpc^2/yr]
Σ_gas [M_solar/pc^2]
10^-2
10^-3
10^-4
10^-5
10^-6
0.1
1.0
10.0

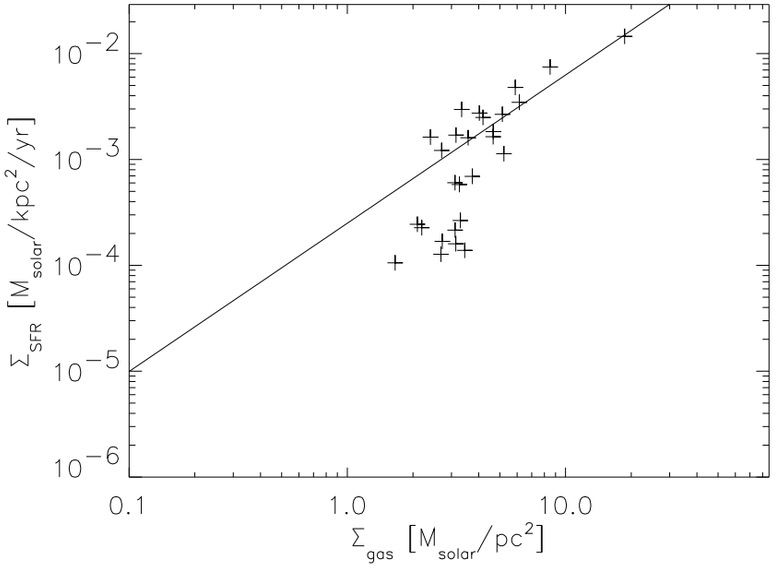

cmcombo = 4
21k particles
SFR [M_solar/yr]
Time [yrs]
0
1
2
3
8.0×10^9
8.5×10^9
9.0×10^9
9.5×10^9
1.0×10^10

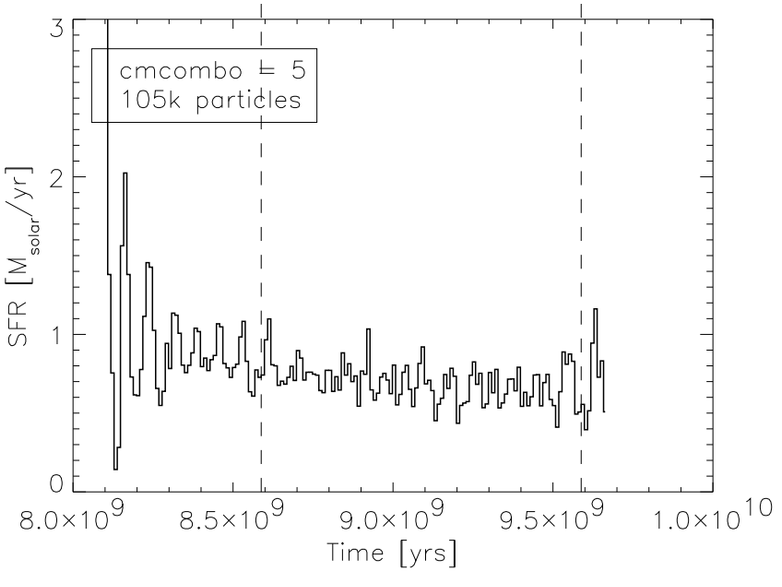

Σ_SFR [M_solar/kpc^2/yr]
Σ_gas [M_solar/pc^2]
10^-2
10^-3
10^-4
10^-5
10^-6
0.1
1.0
10.0
100.0

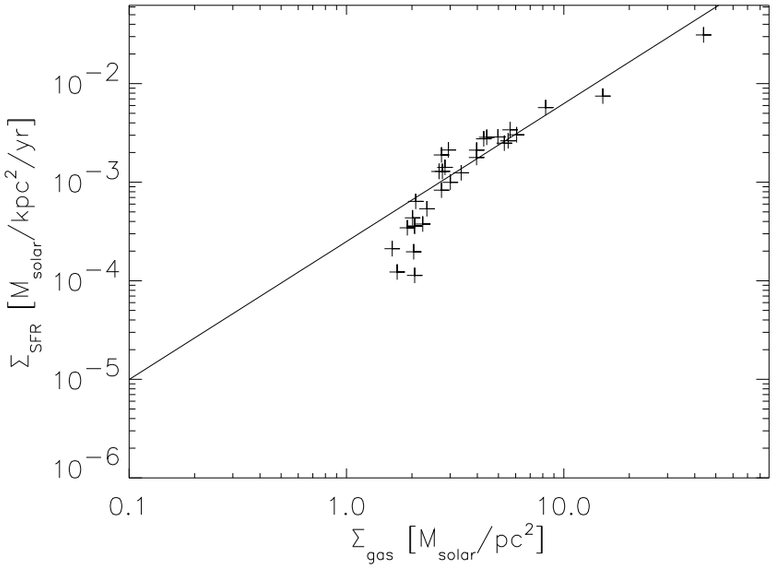

cmcombo = 4
105k particles
SFR [M_solar/yr]
Time [yrs]
0
1
2
3
8.0×10^9
8.5×10^9
9.0×10^9
9.5×10^9
1.0×10^10

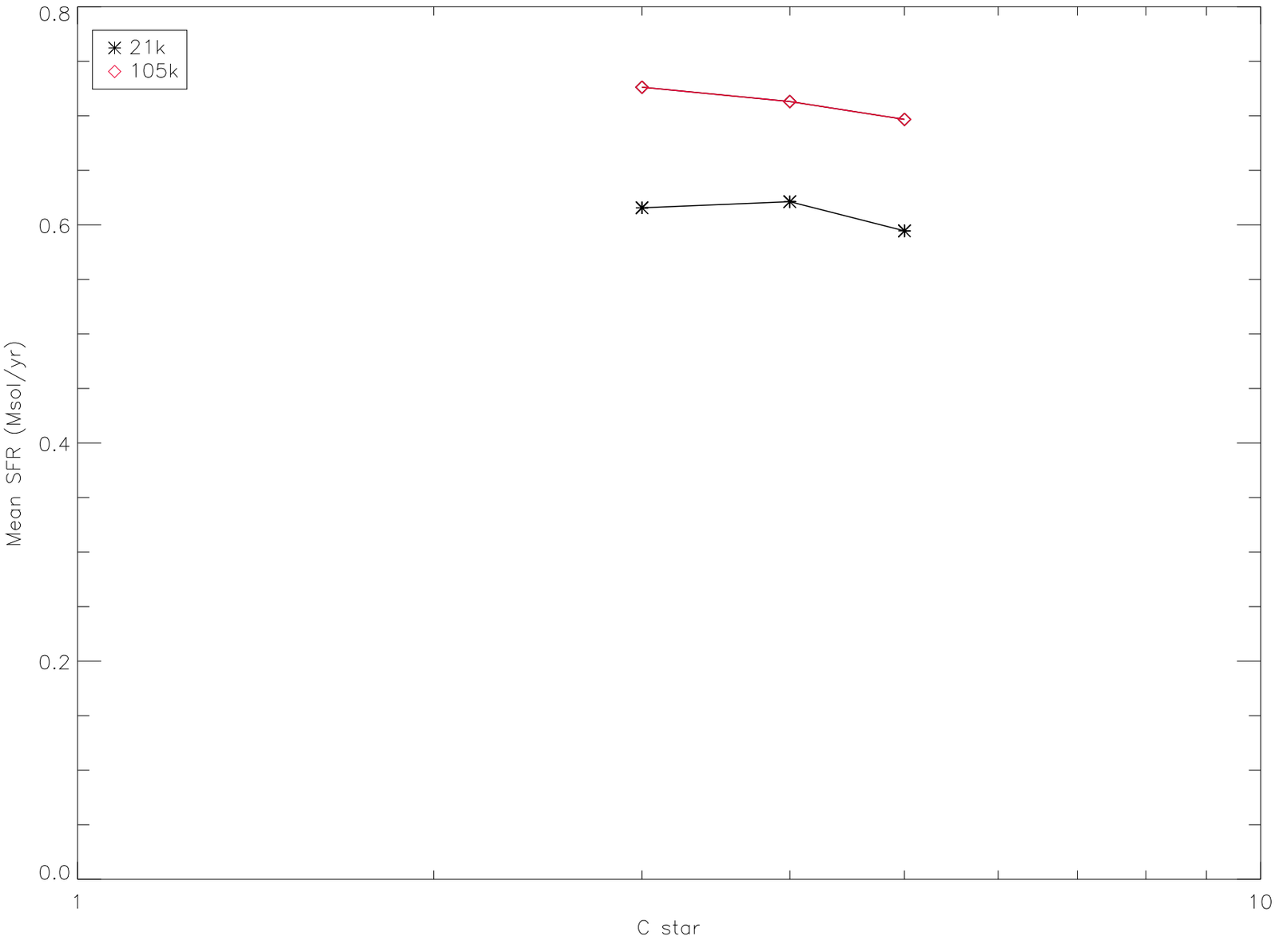

Σ_SFR [M_solar/kpc^2/yr]
Σ_gas [M_solar/pc^2]
10^-2
10^-3
10^-4
10^-5
10^-6
0.1
1.0
10.0


cmcombo l = 5
21k particles
SFR [M_solar/yr]
Time [yrs]
0
1
2
3
8.0×10^9
8.5×10^9
9.0×10^9
9.5×10^9
1.0×10^10


Σ_SFR [M_solar/kpc^2/yr]
Σ_gas [M_solar/pc^2]
10^-2
10^-3
10^-4
10^-5
10^-6
0.1
1.0
10.0


cmcombo l = 5
105k particles
SFR [M_solar/yr]
Time [yrs]
0
1
2
3
8.0×10^9
8.5×10^9
9.0×10^9
9.5×10^9
1.0×10^10


Σ_SFR [M_solar/kpc^2/yr]
Σ_gas [M_solar/pc^2]
10^-2
10^-3
10^-4
10^-5
10^-6
0.1
1.0
10.0


21k
105k
0.8
0.6
0.4
0.2
0.0
Mean SFR (Msol/yr)
1
10
C star