Summary of Thermal Charm Enhancement

	$m_c = 1.2$ GeV		$m_c = 1.5$ GeV	
	P.G.	M.G.	P.G.	M.G.
m=0 g	3.2	0.053	0.93	0.0128
m≠0 g	4.6	0.065	1.27	0.0154
m=0 g+q	3.7	0.014	1.07	0.0027
m≠0 g+q	4.9	0.016	1.38	0.0030

P.G. ≡ parton gas $T_0 = 550$ MeV $\tau_0 = 0.7$ fm for g and g+q

$m_c = 1.2$ GeV 44 - 32% enhancement

$m_c = 1.5$ GeV 36 - 29% enhancement

M.G. ≡ minijet gas

gluons only $T_0 = 445$ MeV

gluons + quarks $T_0 = 360$ MeV

$\tau_0 = 0.1$ fm

parton gas yield ~½ initial $c\bar{c}$ pair rate with $m_c = 1.2$ GeV (

charm mass change reduces yield by factor of 3

minijet gas yield negligible compared to initial rate

short formation time causes reduction

results here somewhat larger than reported previously

- larger coupling before with no change
- previously $T_0 \sim 500$ MeV with shorter τ_0
- identical $gg \to c\bar{c}$ + $q\bar{q} \to c\bar{c}$ rate