

chiral asymmetry  
is erased before  
magnetogenesis

viable window

baryon number  
is over-produced

$10^{-3}$

$10^{-2}$

$$(|\tilde{\mu}_{Y,5}|/T)_{\text{CPI}}$$

70 TeV

7000 TeV

$$T_{\text{phys,CPI}} \propto (|\tilde{\mu}_{Y,5}|/T)_{\text{CPI}}^2$$

$7 \times 10^{-16}$  G

$1 \times 10^{-15}$  G

$$B_{\text{phys},0} \propto (|\tilde{\mu}_{Y,5}|/T)_{\text{CPI}}^{1/3}$$

$9 \times 10^{-4}$  pc

$2 \times 10^{-3}$  pc

$$\xi_{M,\text{phys},0} \propto (|\tilde{\mu}_{Y,5}|/T)_{\text{CPI}}^{1/3}$$

$7 \times 10^{-39}$

$7 \times 10^{-33}$

$$\Omega_{\text{GW}} h_0^2 \propto (|\tilde{\mu}_{Y,5}|/T)_{\text{CPI}}^6$$

0.1 MHz

1 MHz

$$f_{\text{GW},0} \propto (|\tilde{\mu}_{Y,5}|/T)_{\text{CPI}}$$