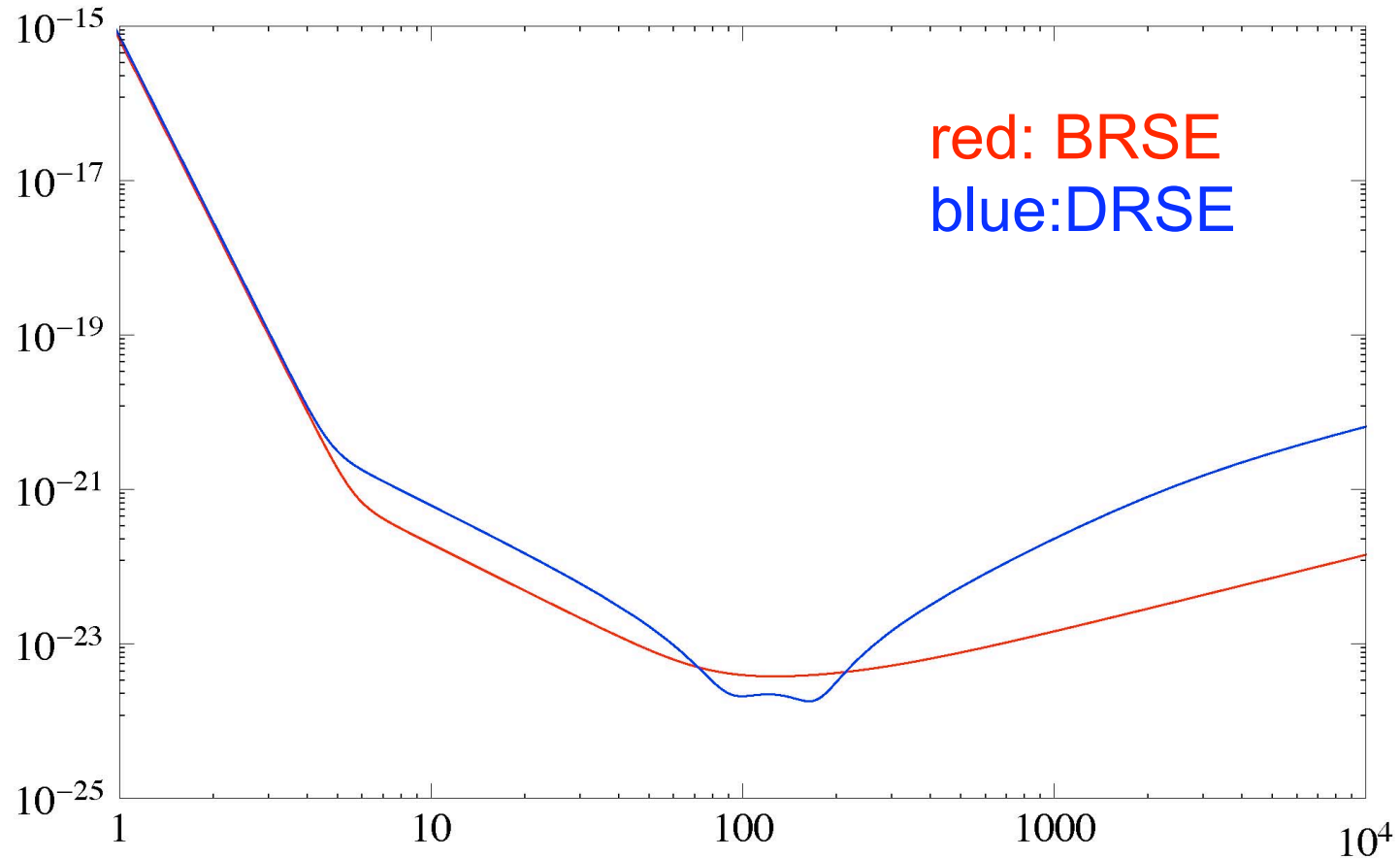


# BRSE, DRSEによるパラメータ決定誤差

使用したスペクトラム



# 連星合体パラメータ推定誤差(1)

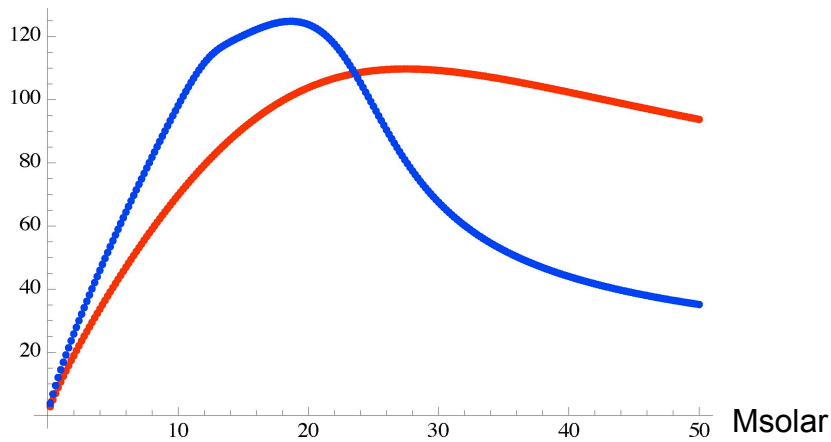
3.5PN restricted post-Newtonian waveform  
no spin

mass 1.4-1.4	$\rho$ (@185Mpc)	$\delta t_c$ [msec]	$\delta M_c/M_c$	$\delta \eta/\eta$
BRSE	14.0	0.24	$2.0 \times 10^{-5}$	0.0042
DRSE	19.1	0.73	$5.2 \times 10^{-5}$	0.010
mass 10-10	$\rho$ (@185Mpc)	$\delta t_c$ [msec]	$\delta M_c/M_c$	$\delta \eta/\eta$
BRSE	69.7	0.17	$1.4 \times 10^{-4}$	0.0033
DRSE	98.0	0.21	$2.9 \times 10^{-4}$	0.0051
mass 1.4-10	$\rho$ (@185Mpc)	$\delta t_c$ [msec]	$\delta M_c/M_c$	$\delta \eta/\eta$
BRSE	29.5	0.23	$4.7 \times 10^{-5}$	0.0022
DRSE	40.5	0.41	$1.1 \times 10^{-4}$	0.0043

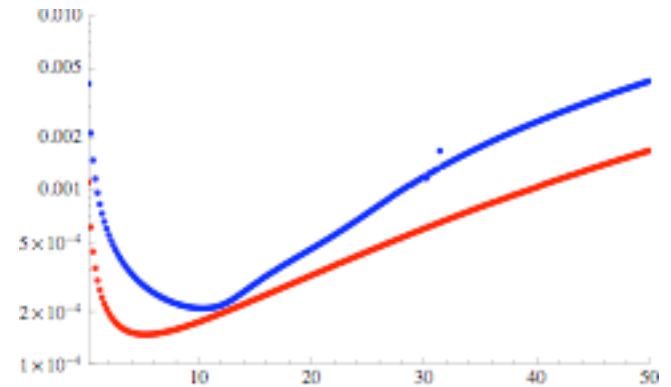
# 連星合体パラメータ推定誤差(2)

red: BRSE  
blue: DRSE

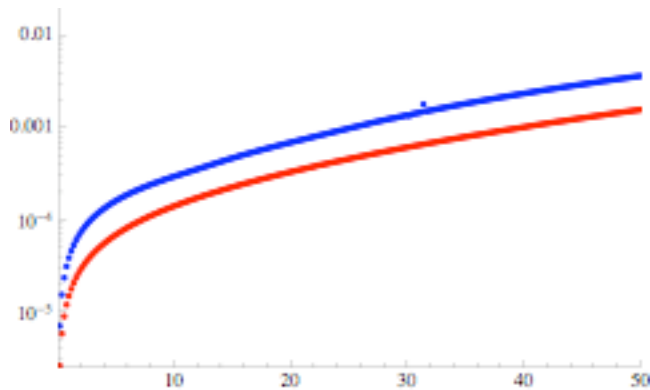
185MpcでのS/N\* $\sqrt{2}$



$\delta t_c$  [msec]



$\delta M_c/M_c$



$\delta \eta/\eta$

