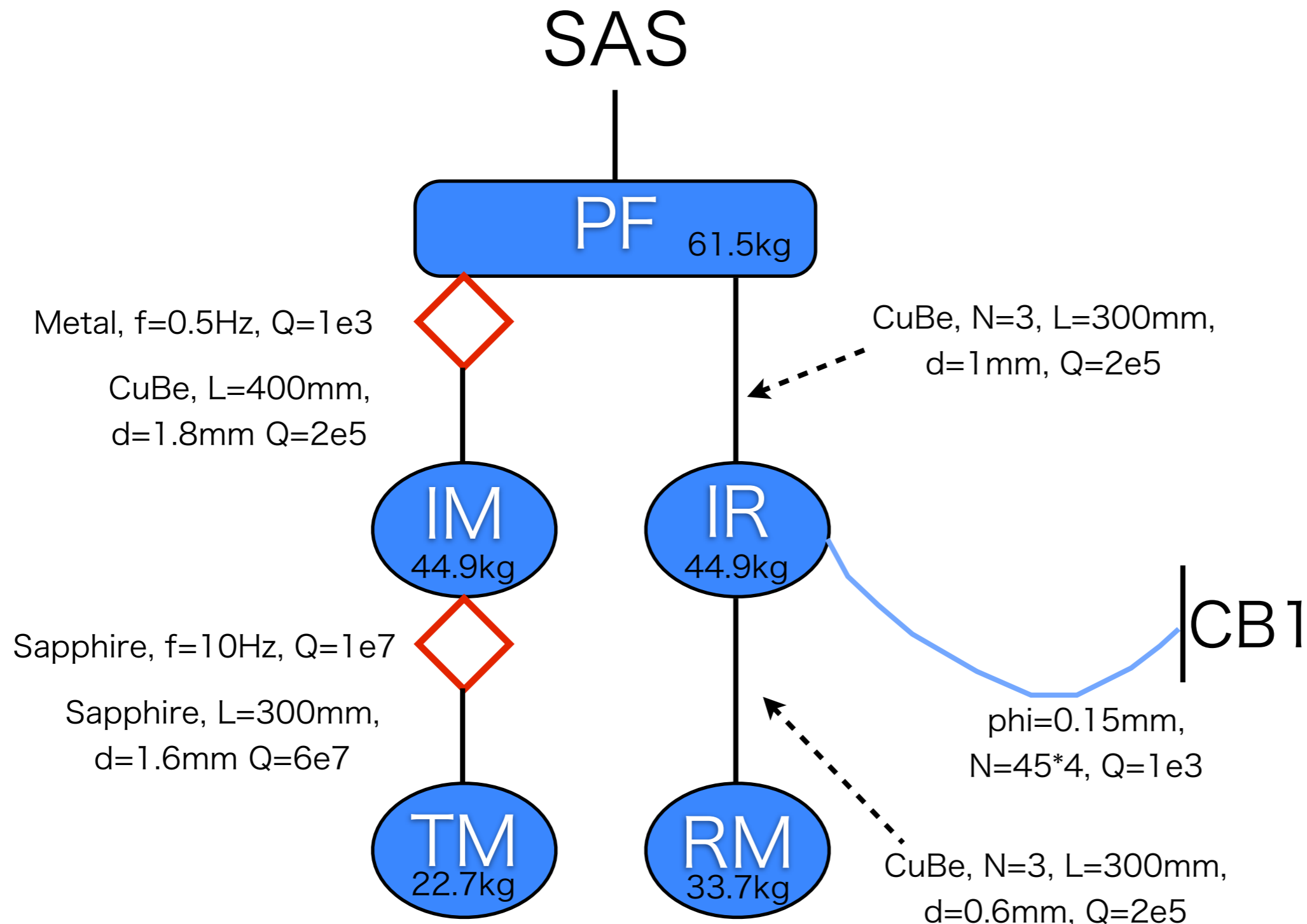


Vibration through heat links

Dan Chen

2014/2/25 DetChar meeting

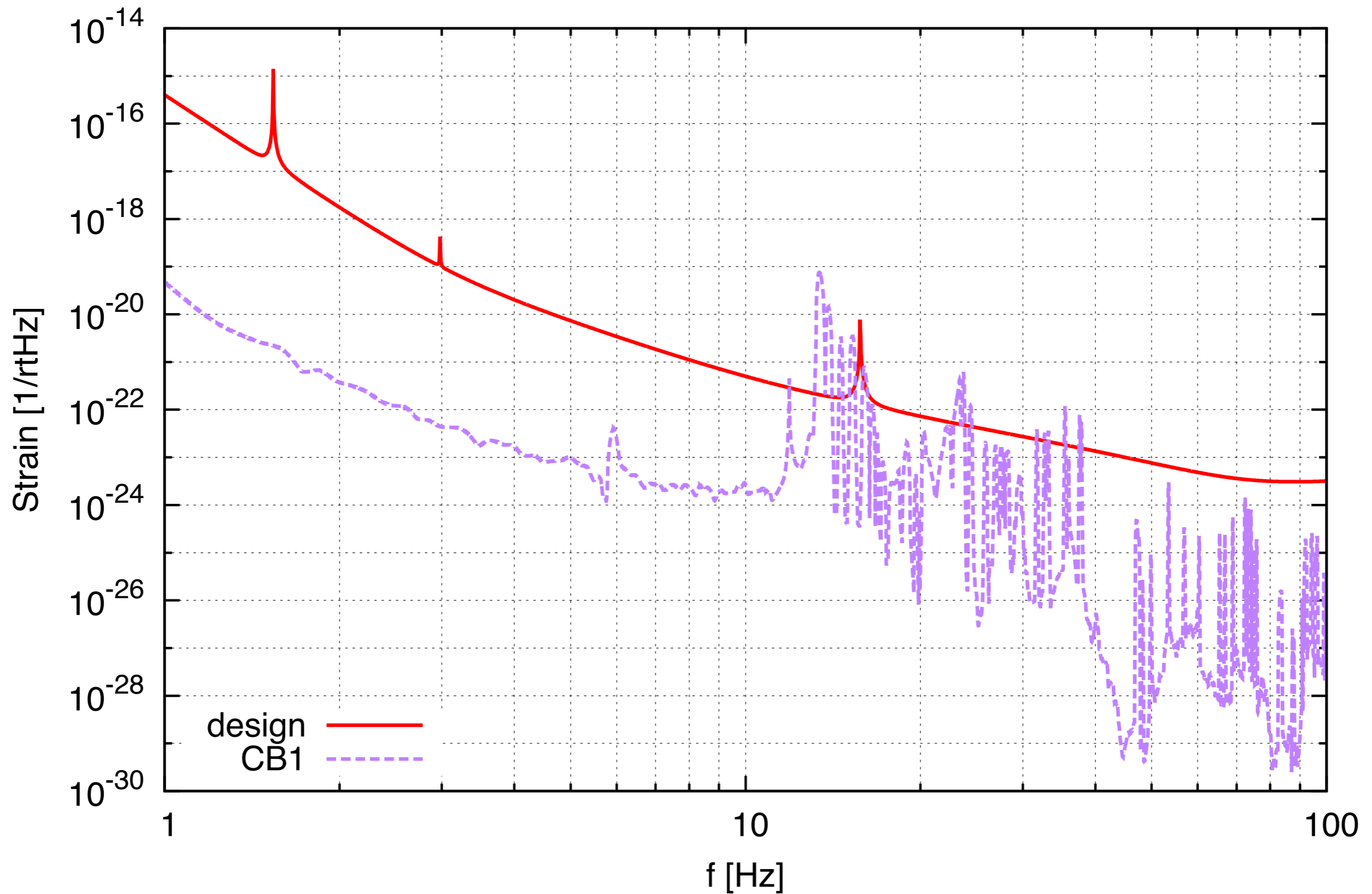
Model 0



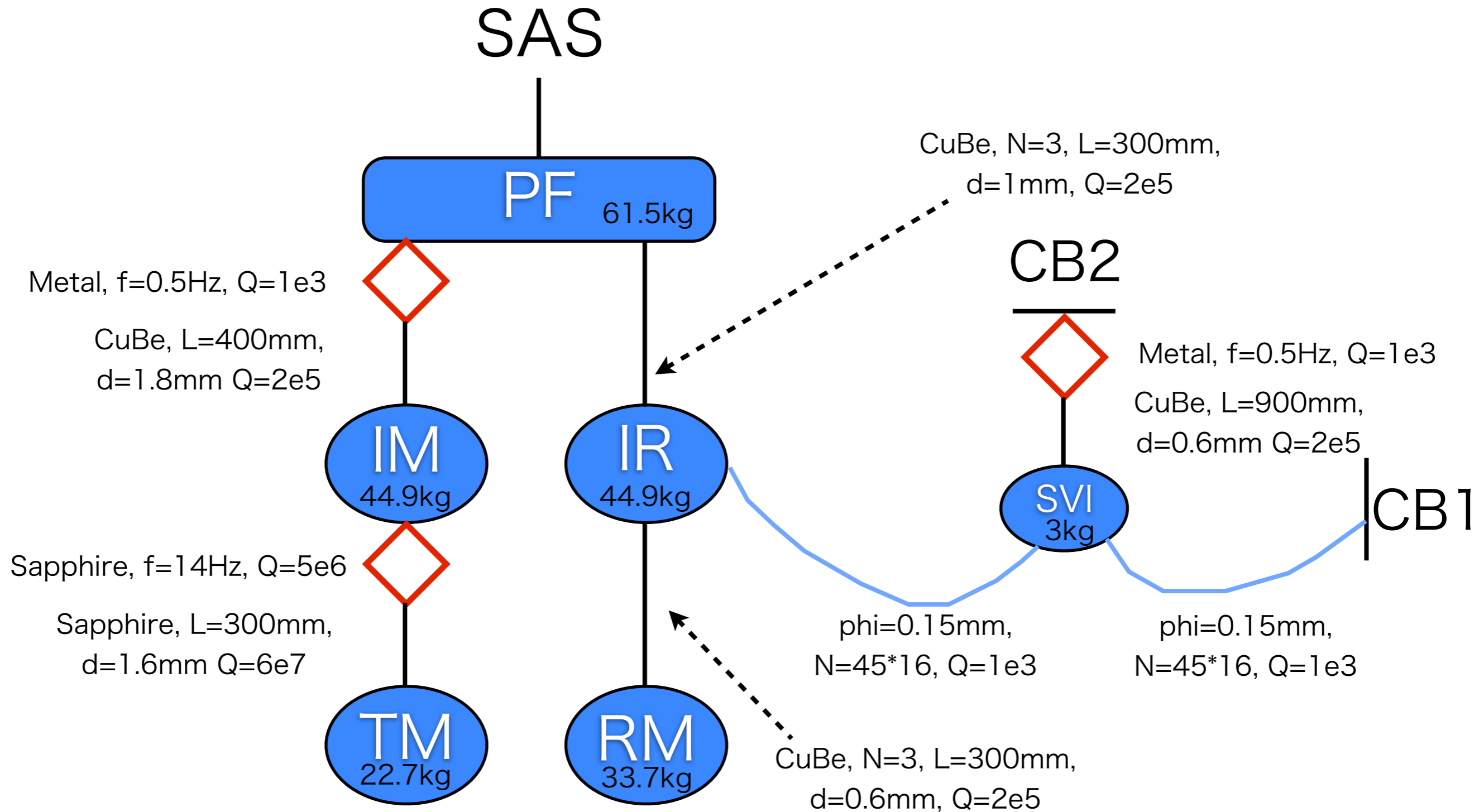
Model 0

-Vibration noise-

yTMfromyCB1Model0strainv.eps

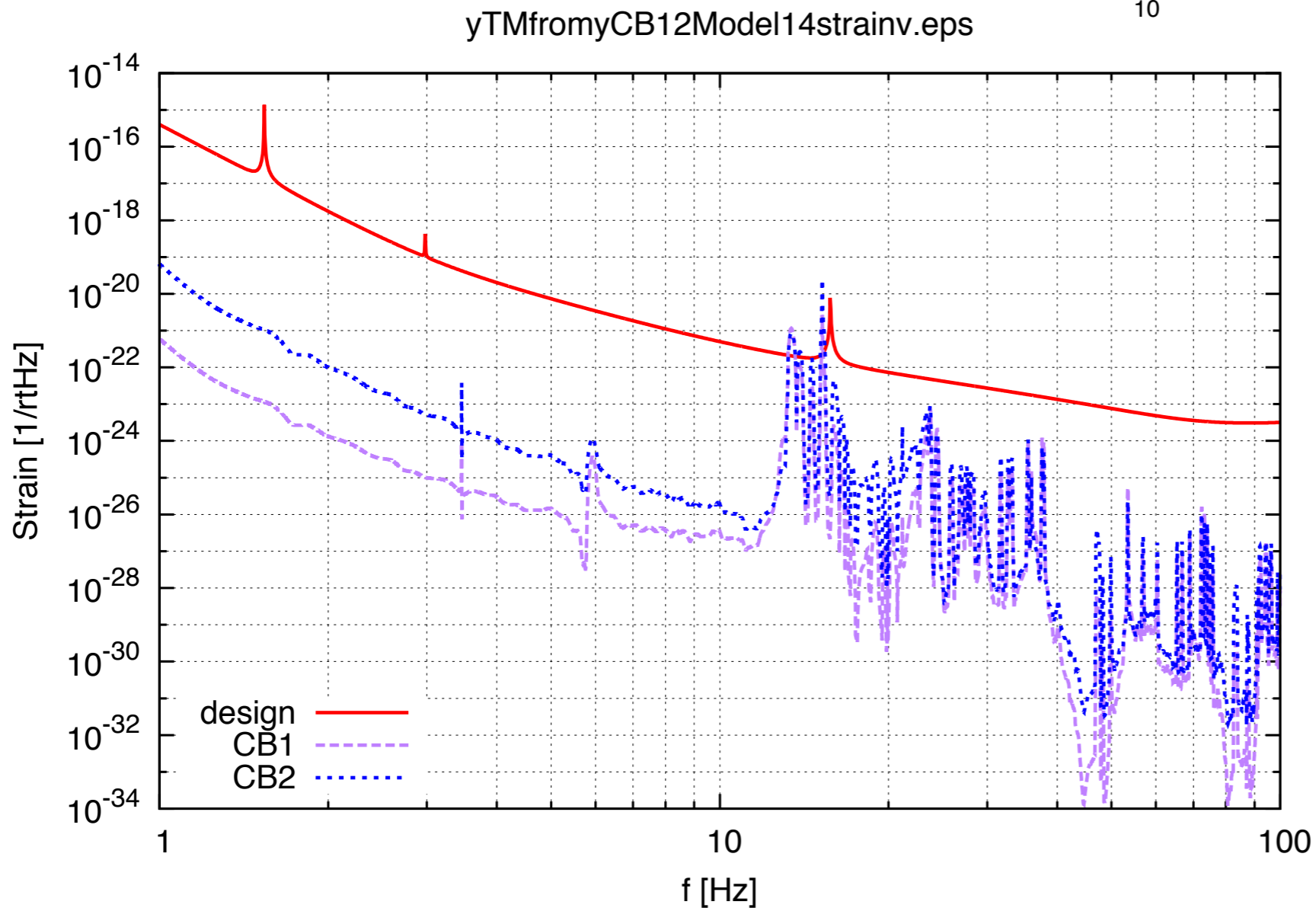
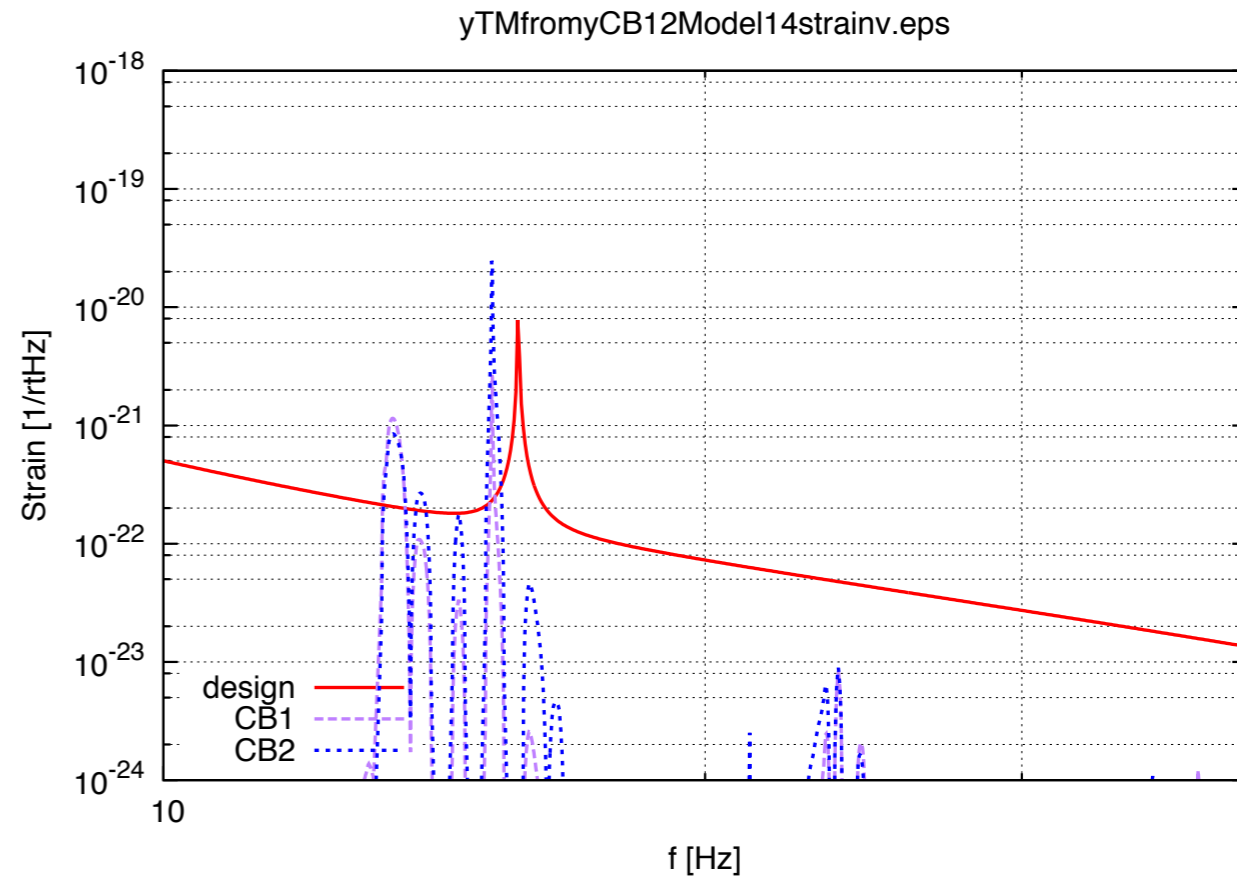


Model A₍₁₄₎



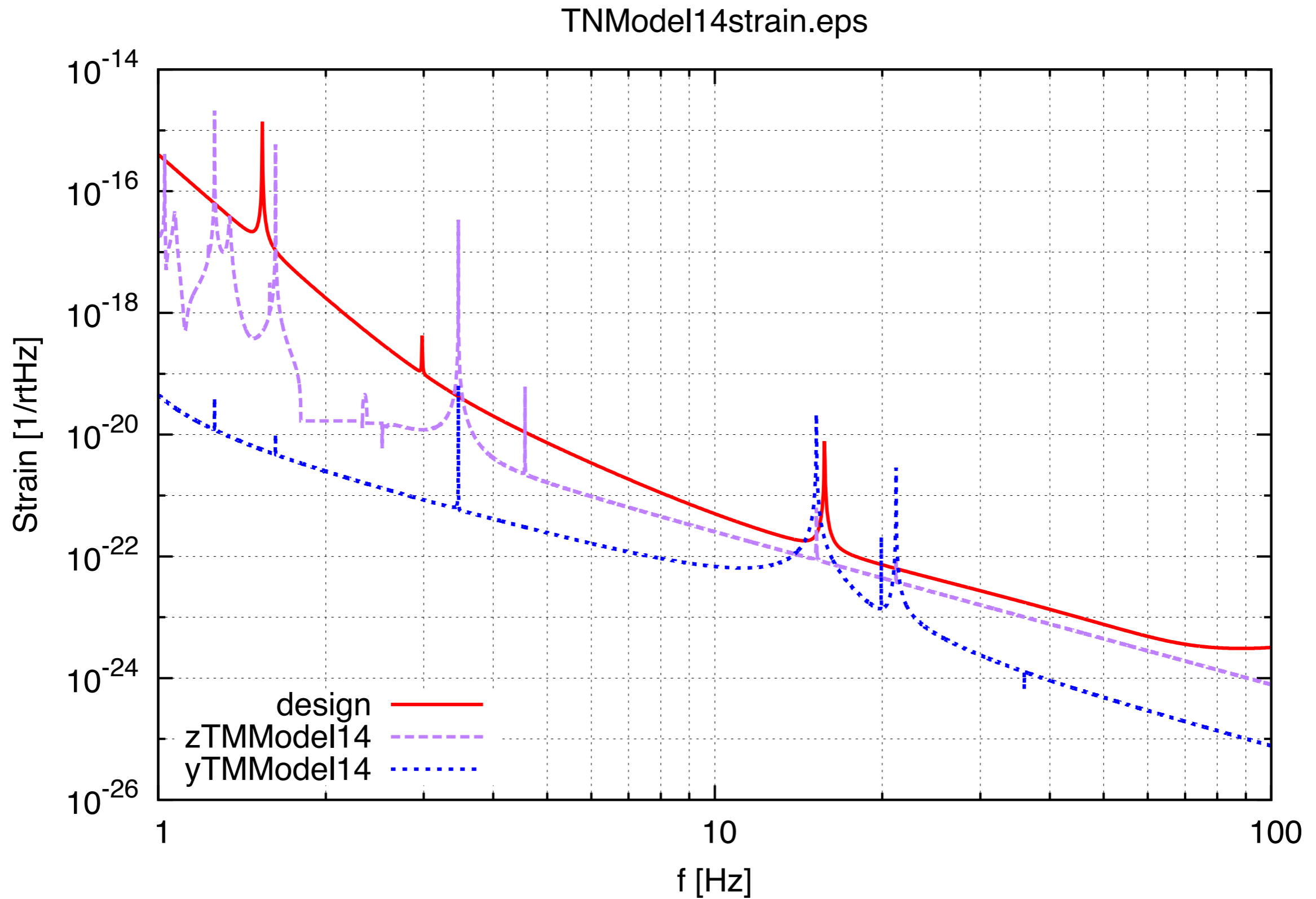
Model A

-Vibration noise-

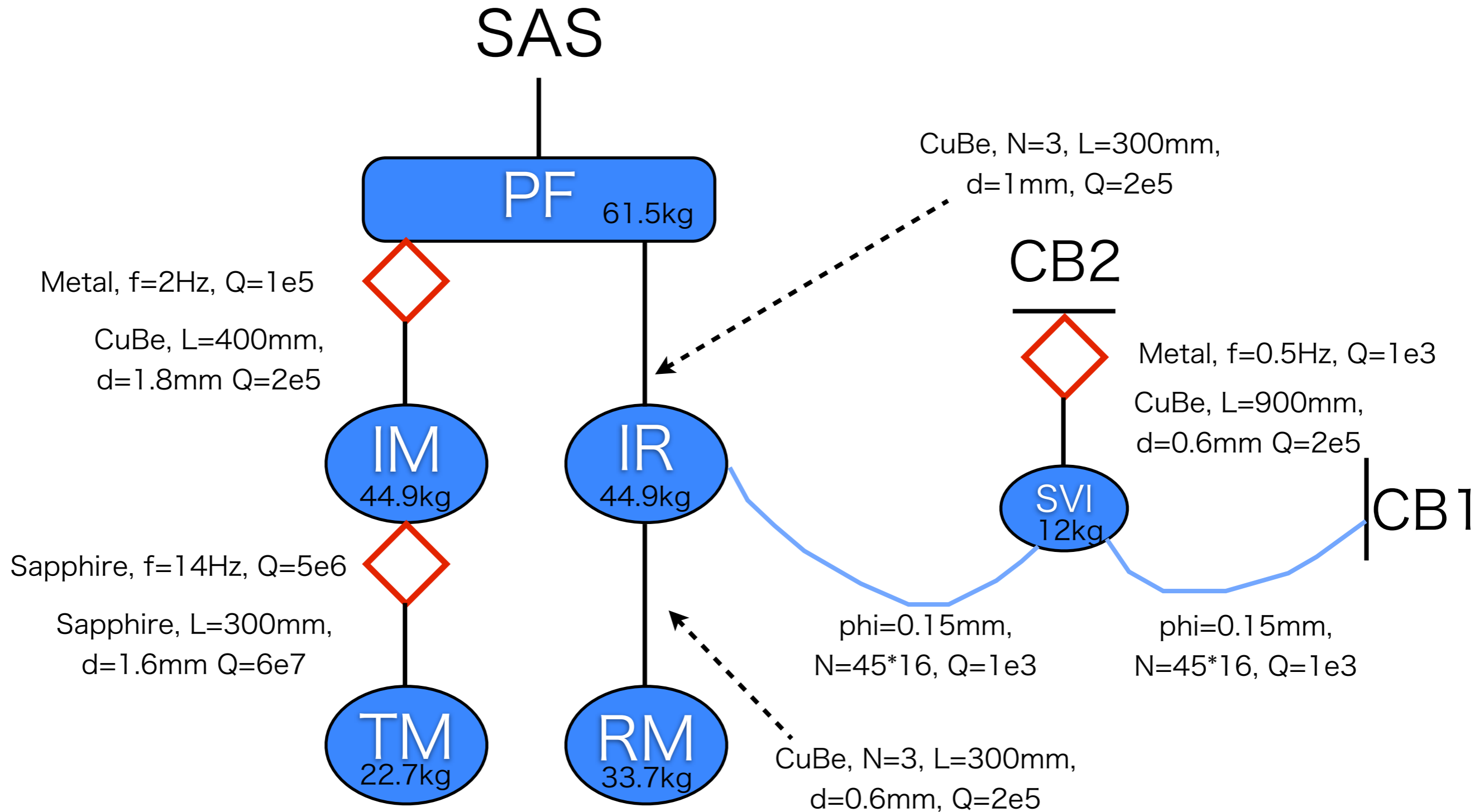


Model A

-Thermal noise-

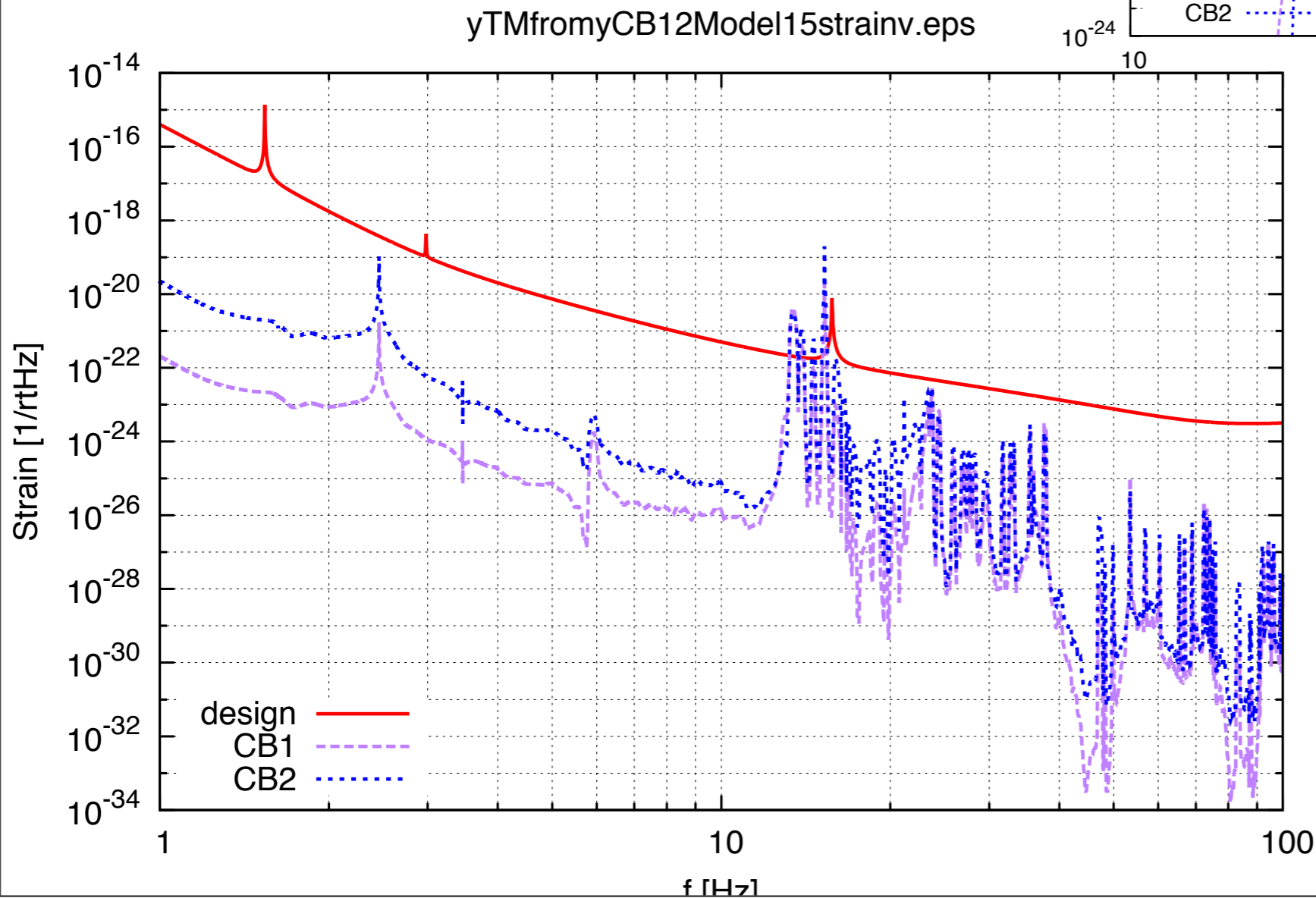
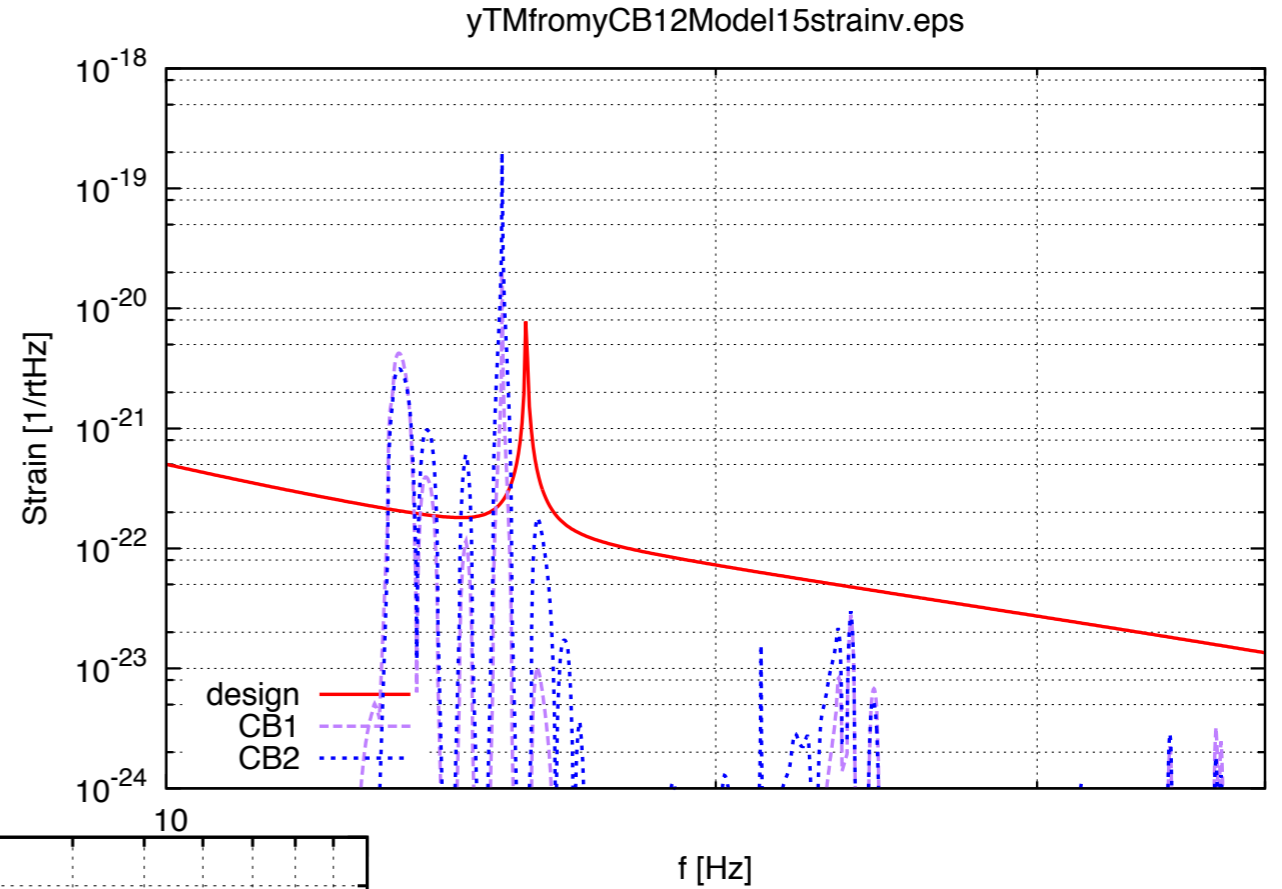


Model B₍₁₅₎



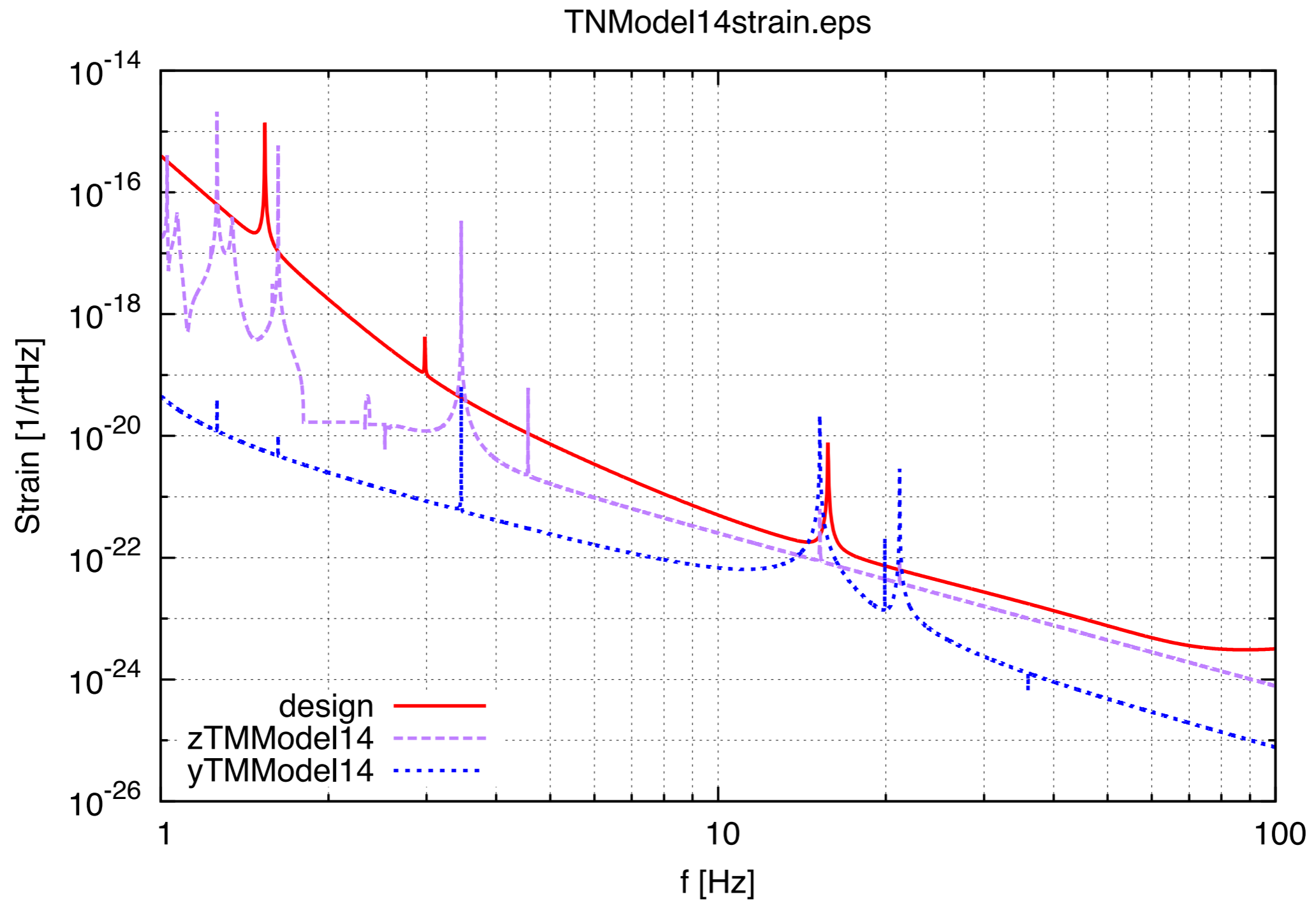
Model B

-Vibration noise-



Model B

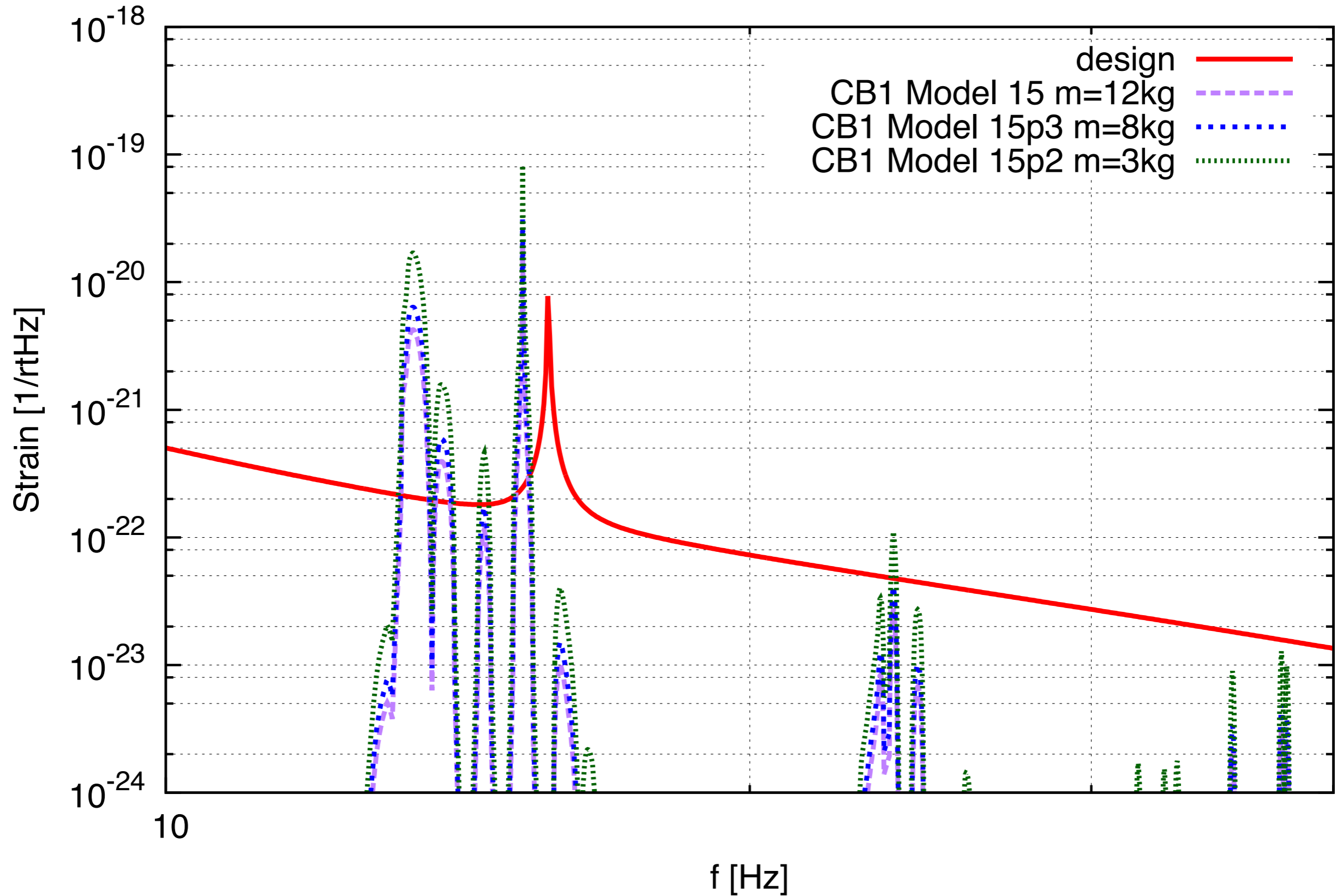
-Thermal noise-



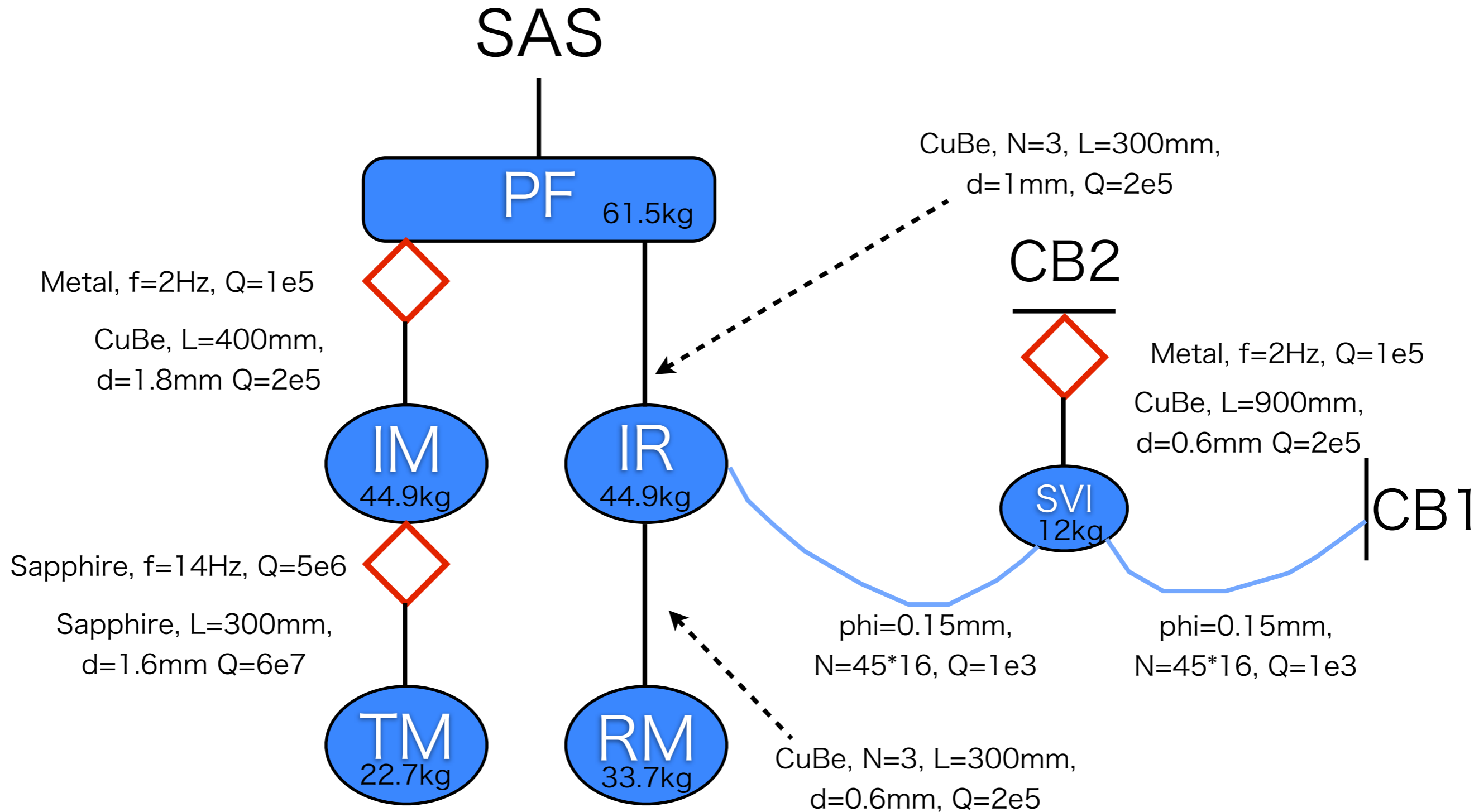
Model B

-Vibration noise-

yTMfromyCB1Model15hikakustrainv.eps

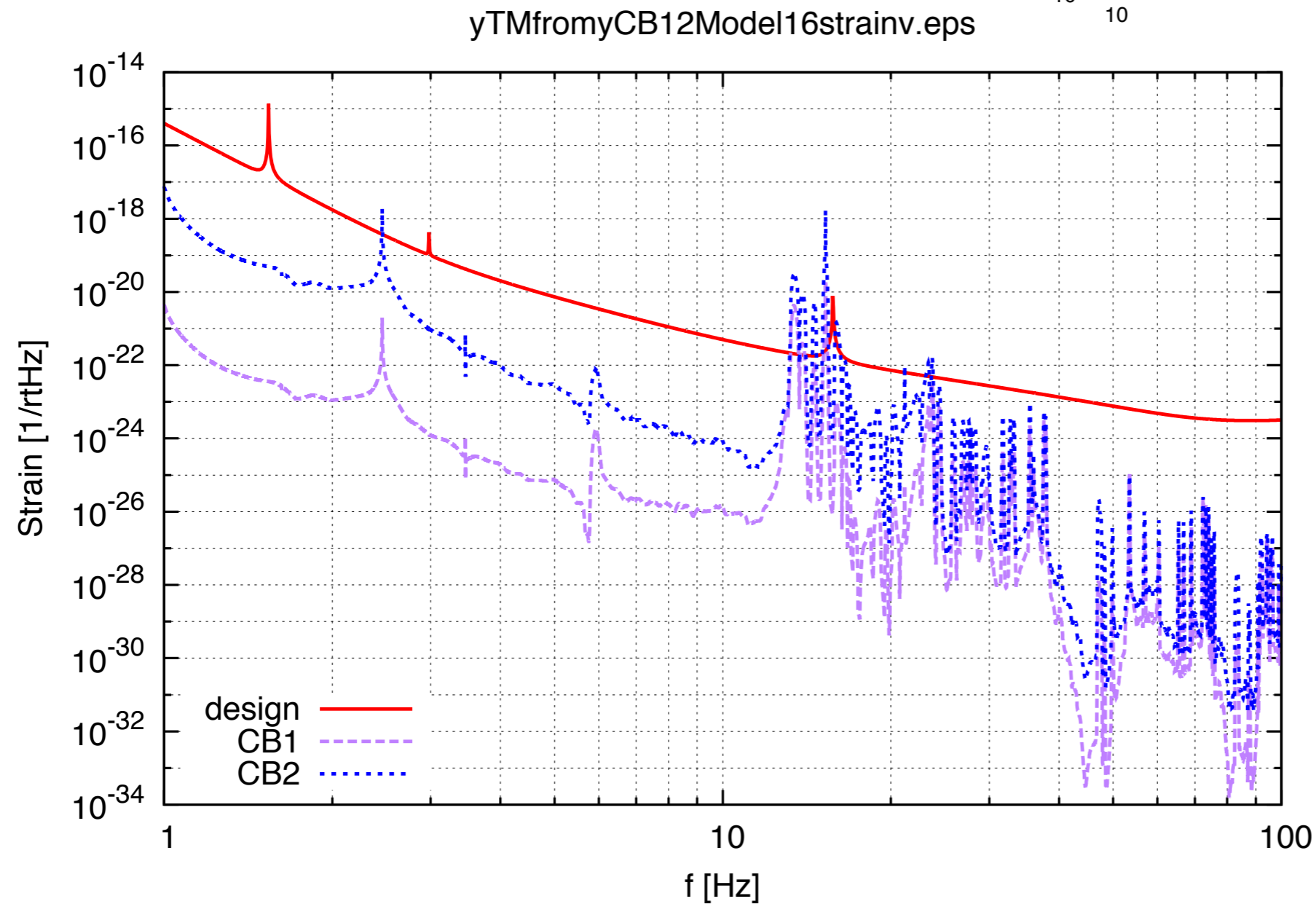
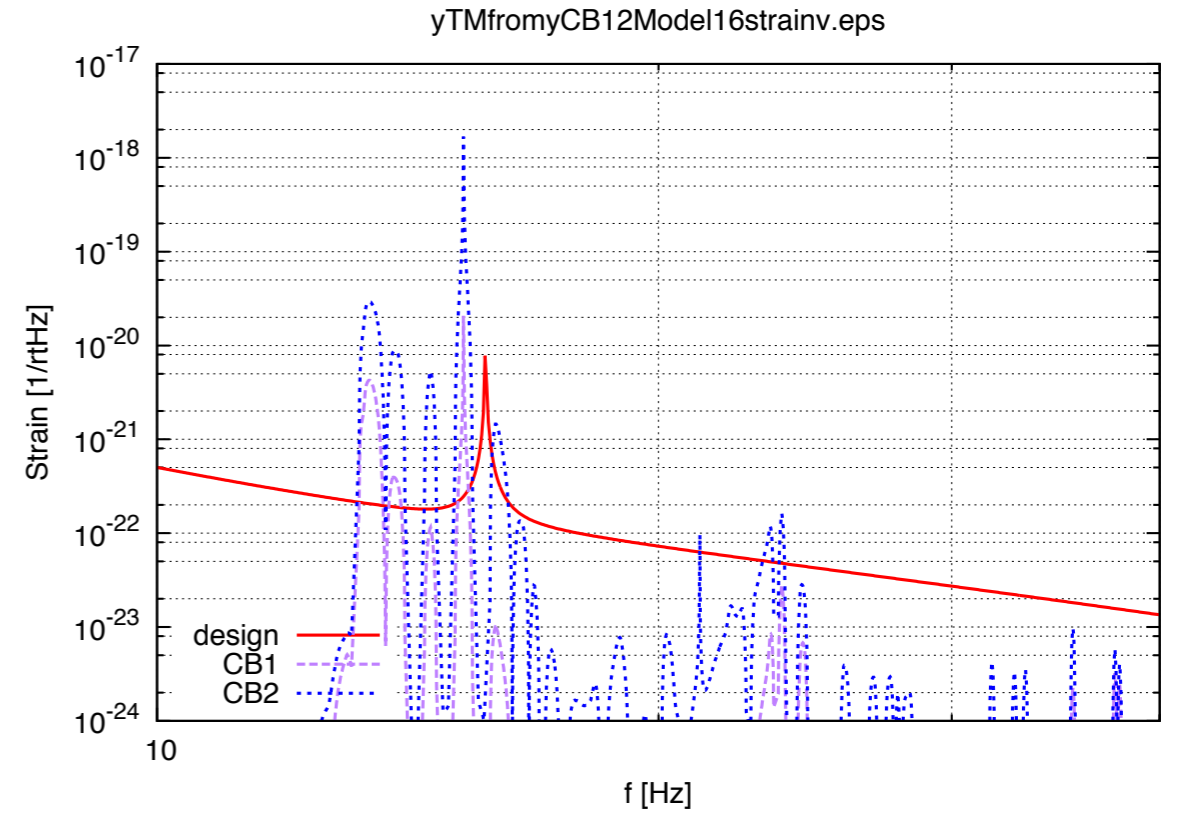


Model C₍₁₆₎



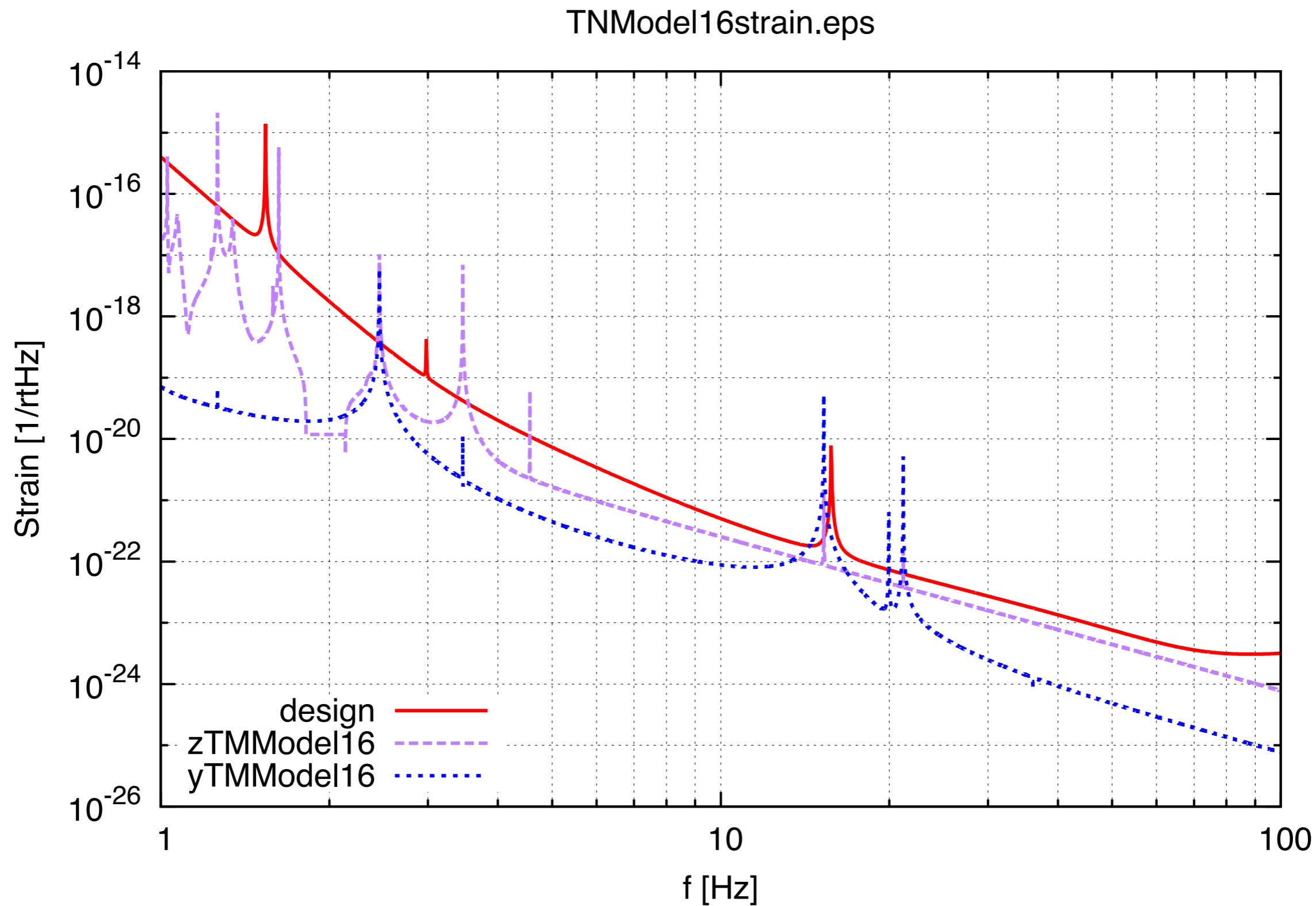
Model C

-Vibration noise-

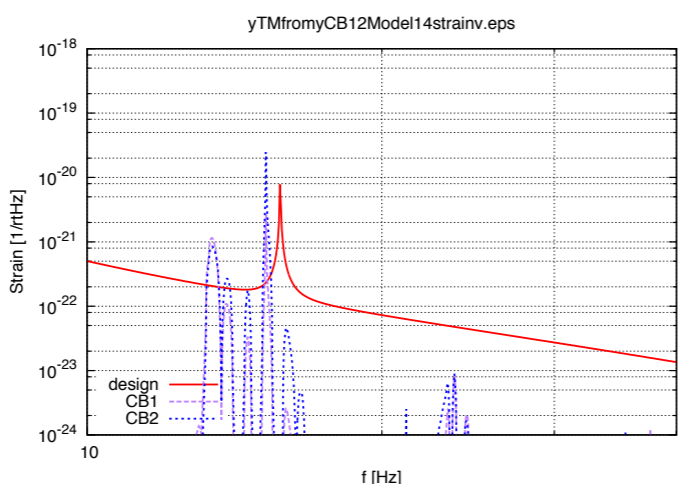
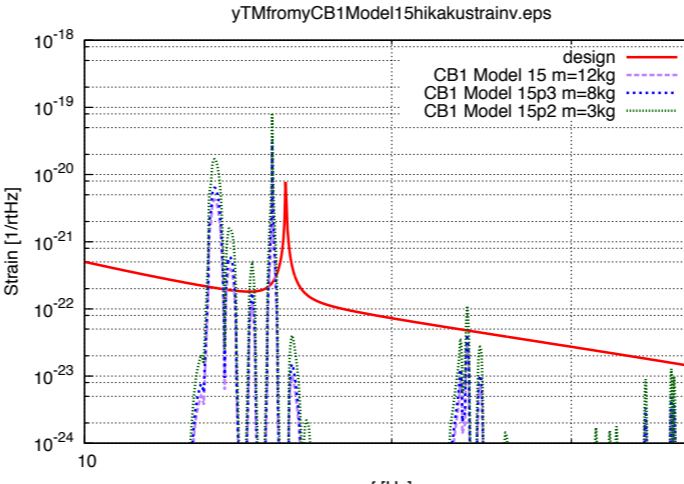
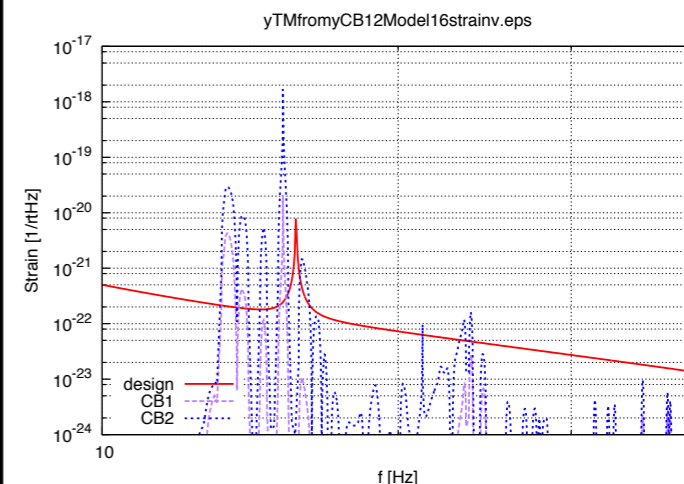


Model C

-Thermal noise-



Summary

Model	A	B	C
Vibration			
Vertical spring	0.5Hz + 0.5Hz	0.5Hz + 2Hz	2Hz + 2Hz
Advantage			No GAS filter
Dis-advantage	2 GAS filters (0.5Hz)		

Question

Is model B(or C) acceptable?

END