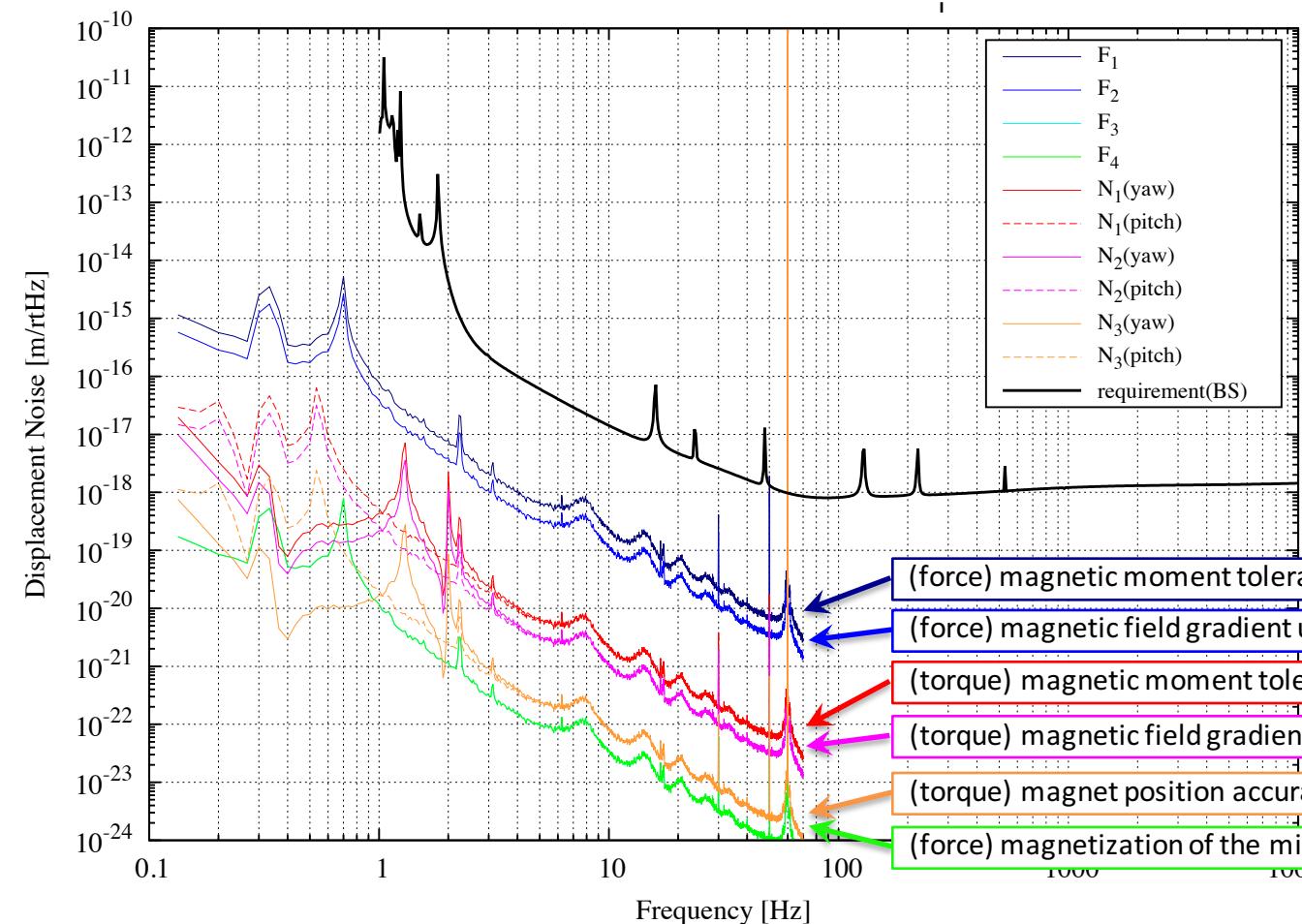
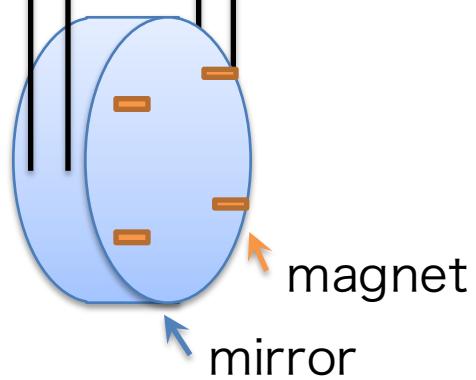
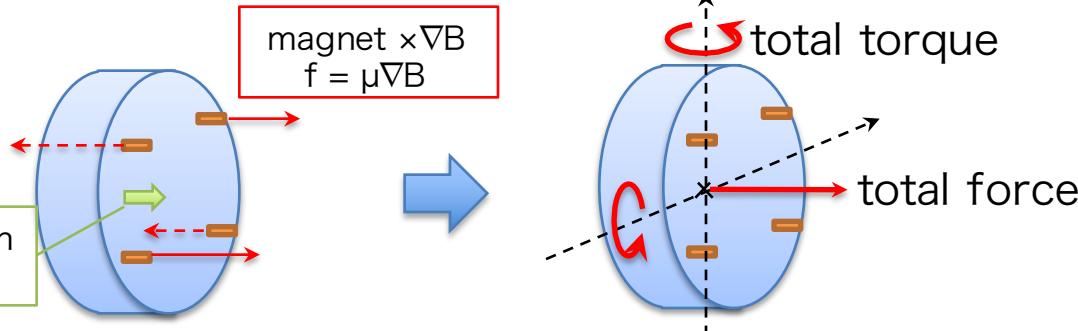
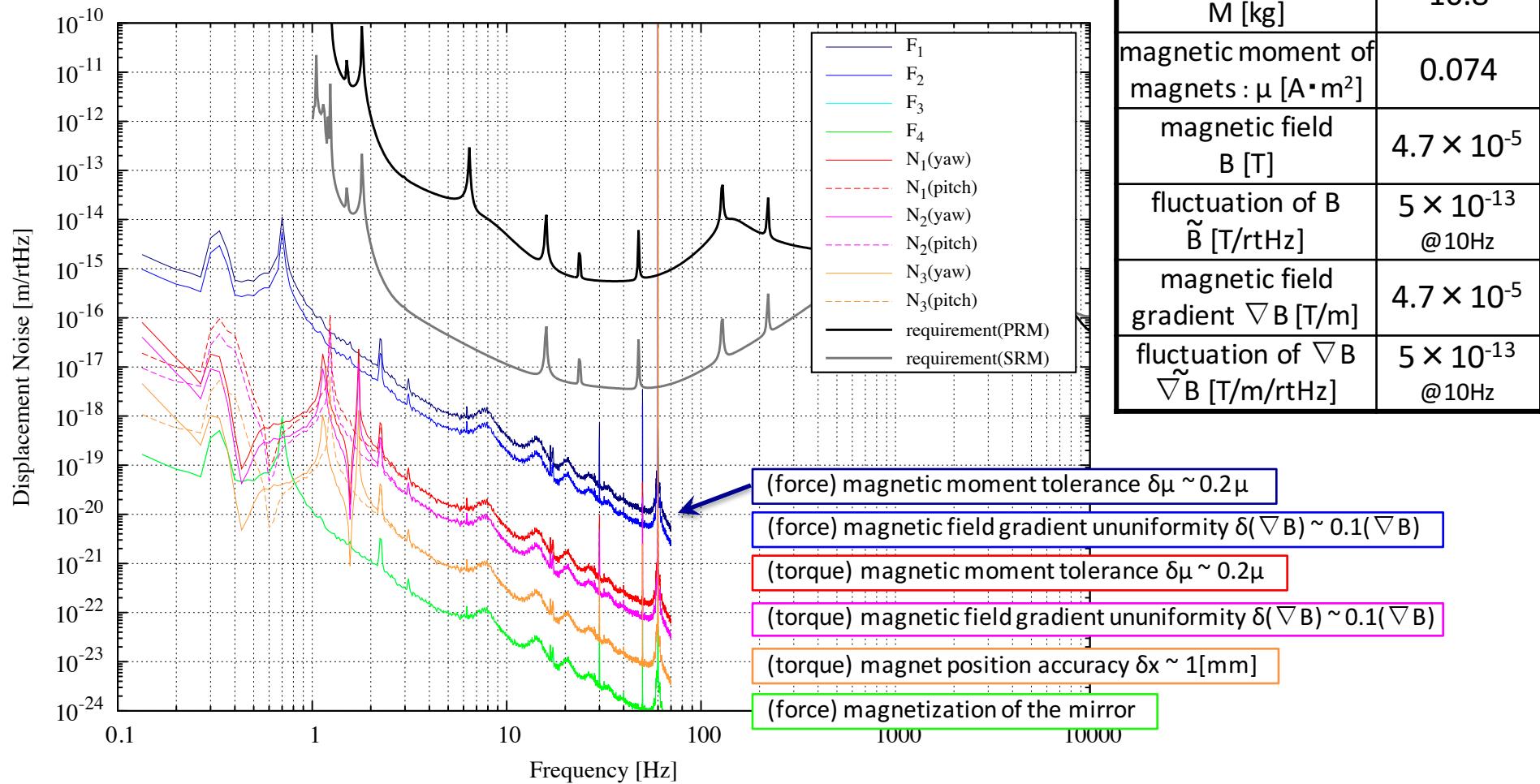


Magnetic noise for BS

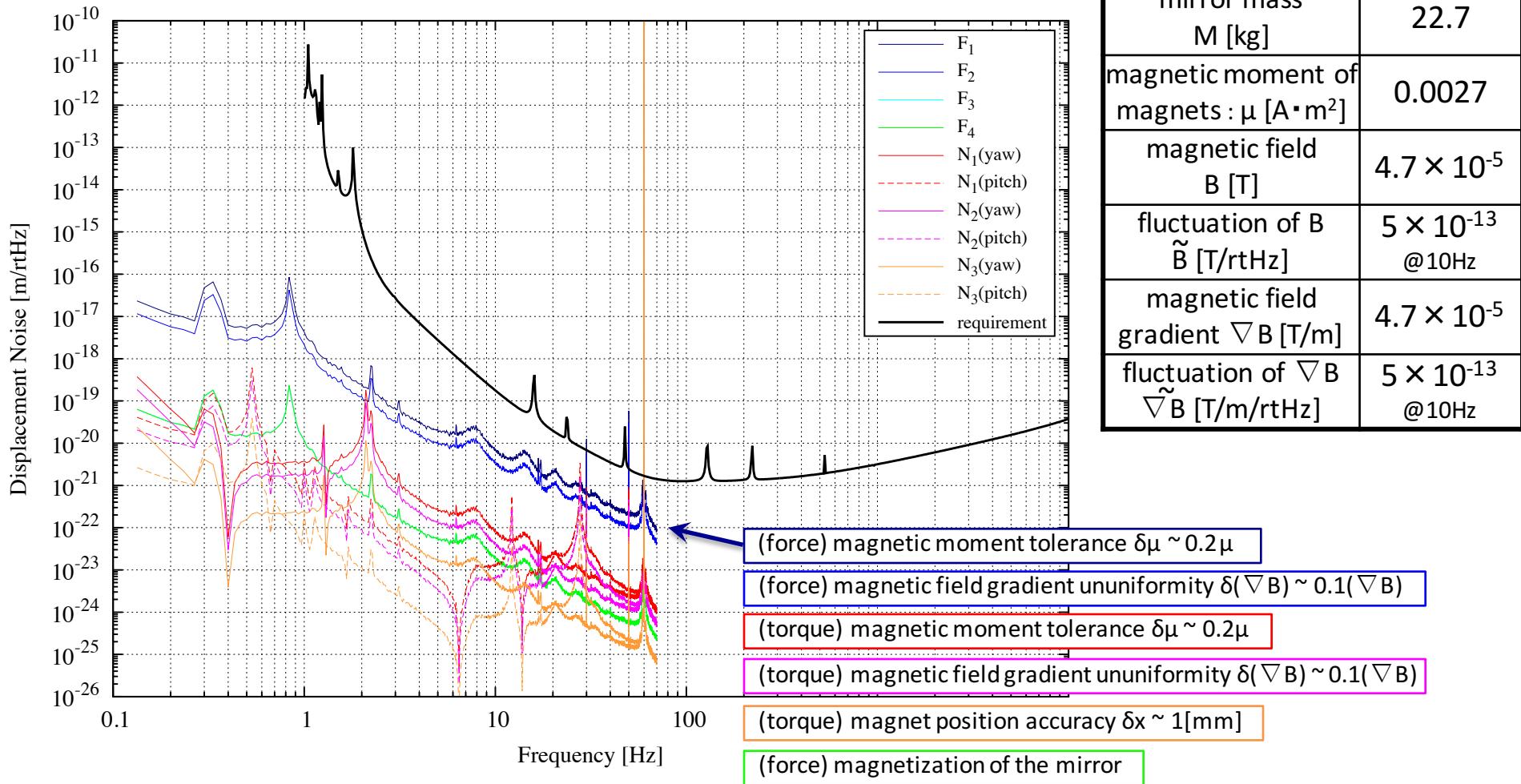


parameter	value
mirror mass $M [\text{kg}]$	18.9
magnetic moment of magnets : $\mu [\text{A} \cdot \text{m}^2]$	0.074
magnetic field $B [\text{T}]$	4.7×10^{-5}
fluctuation of B $\tilde{B} [\text{T}/\text{rtHz}]$	5×10^{-13} @10Hz
magnetic field gradient $\nabla B [\text{T}/\text{m}]$	4.7×10^{-5}
fluctuation of ∇B $\tilde{\nabla} B [\text{T}/\text{m}/\text{rtHz}]$	5×10^{-13} @10Hz

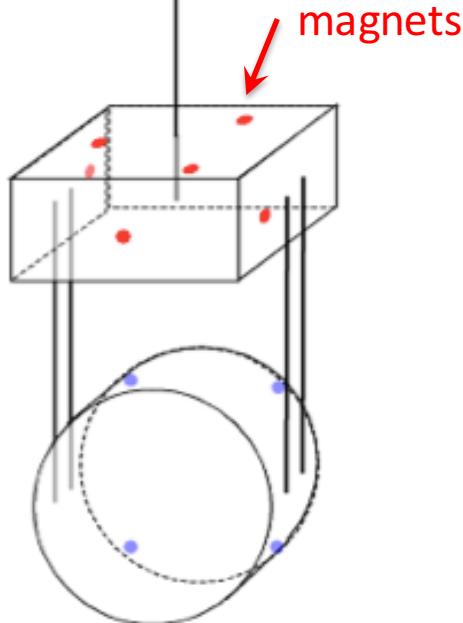
Magnetic noise for PRM/SRM



Magnetic noise for ITM/ETM

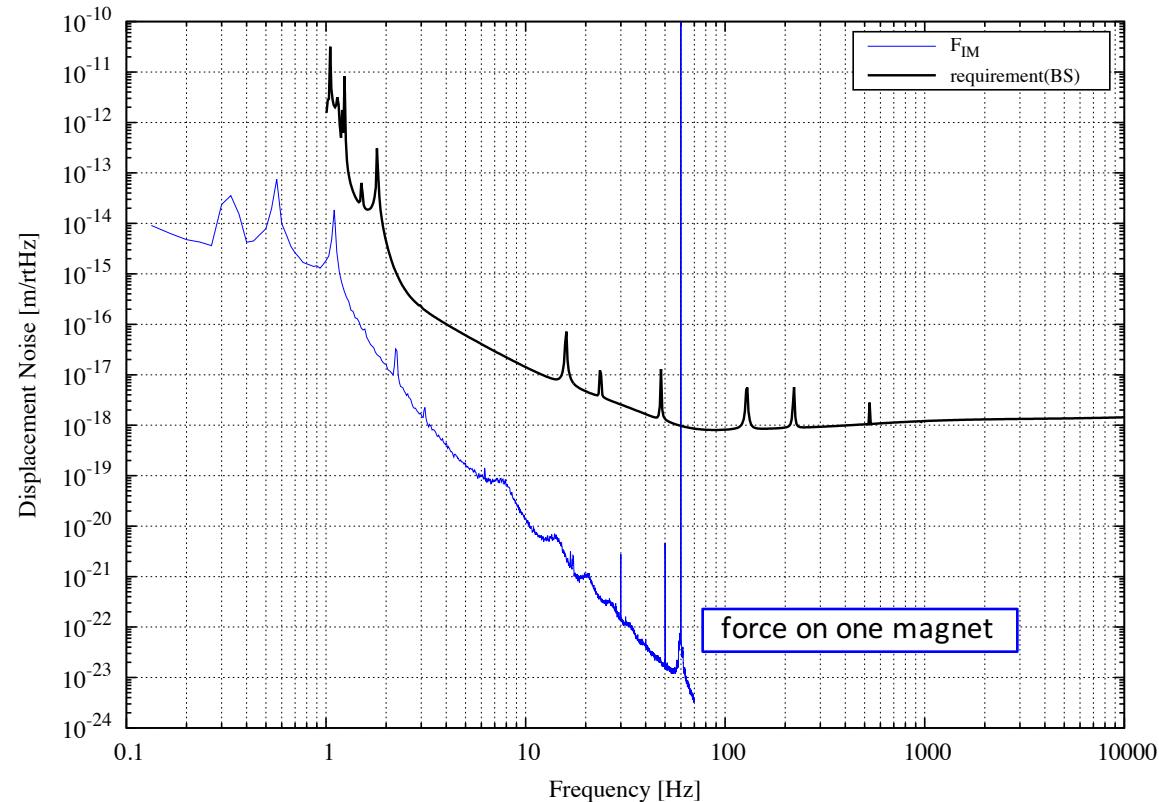


Magnetic noise from IM_(Intermediate Mass) magnets of BS suspension system

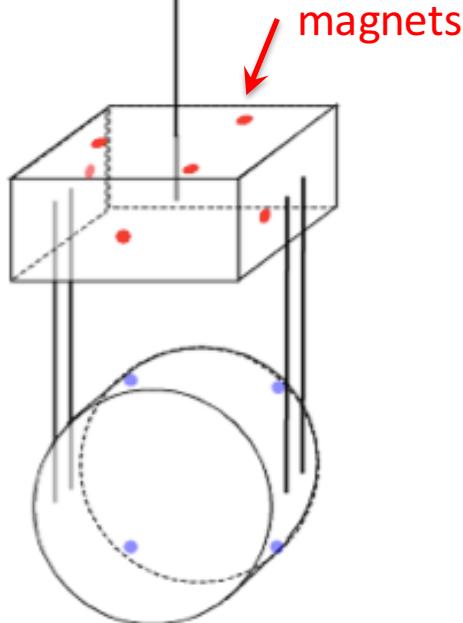


- NO cancellation between magnets
- larger magnets than the magnets on the mirror

parameter	value
IM mass M_{IM} [kg]	36.5
magnetic moment of magnets : μ [$A \cdot m^2$]	0.69
fluctuation of ∇B $\tilde{\nabla} B$ [T/m/rtHz]	5×10^{-13} @10Hz



Magnetic noise from IM_(Intermediate Mass) magnets of PRM/SRM suspension system



- NO cancellation between magnets
- larger magnets than the magnets on the mirror

parameter	value
IM mass M_{IM} [kg]	15.6
magnetic moment of magnets : μ [$A \cdot m^2$]	0.69
fluctuation of ∇B $\tilde{\nabla} B$ [T/m/rtHz]	5×10^{-13} @10Hz

