

# My work in 2015

4-4

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# Q-value of monolithic fiber

- Position 1:300K:Q=4180(5K:7.4 × 10<sup>5</sup>)
- Position 2:300K:Q=4280( $\Delta Q/Q=0.2\%$ )
- Position 3:300K:Q=4130( $\Delta Q/Q=0.1\%$ )
- Position 4:300K:Q=4260~4390(but  $\Delta Q/Q=1\sim 2\%$ )

# Q measurement

- I set up as position2.
- I cooled down the cryostat, but there was no peak.
- I am warming up the cryostat.
- I designed the extension of the cryostat in my notebook.

# Future work

- I will design the sapphire clamp by using CAD.