

Status of the input optics for the O3

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In this talk, the status of the input optics for the O3 will be reported. The input optics is one of the subsystems in KAGRA, and the objective of the input optics is to provide the stable laser to the main interferometer. Several in-air and in-vac optics are included in our subsystem. They stabilize the laser frequency and the intensity, reduce the beam jitter, apply the modulation needed for the main interferometer control, and clean the spatial mode of the beam. All components are installed and operated, and they will be operated with high power laser (20 W).

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