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Room:Convention Hall

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Development of the Deferential Image Motion Monitor (DIMM) for Lunar Laser Ranging station

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We propose the Lunar Laser Ranging (LLR) experiment for SELENE-2 moon landing mission. We will upgrade the current SLR station (Koganei) for the first step and aim to find ranges from the LLR ground station to retroreflectors on the lunar surface. Because the influence of the atmosphere fluctuation is significant in LLR, it is necessary to improve the reliability of observed data by measuring the seeing during the observation. The seeing observation is generally conducted by using Deferential Image Motion Monitor (DIMM). We report the status of the DIMM to be developed newly for the LLR ground station.

Keywords: LLR, SELENE-2, DIMM