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## Gravitational lensing analysis from Subaru HSC and POLARBER

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One of the promising cosmological probes in the next decades is the CMB polarization. While CMB temperature anisotropies have been already measured very precisely, CMB polarization, in particular a twisting pattern in the polarization map (B mode) is still dominated by the statistical noise at most of the scales. The precise measurements of B mode will enable us to explore not only the primordial gravitation waves but also to measure gravitational lensing, and cosmic birefringence. I will talk about a recent work on data analysis using high precision B-mode data, including CMB-galaxy lensing cross-correlation by Subaru HSC and POLARBEAR.

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