## Detecting proto-Brightest Cluster Galaxy Candidates at z~4 by Using HSC-SSP

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## **Brightest Cluster Galaxies (BCGs)**

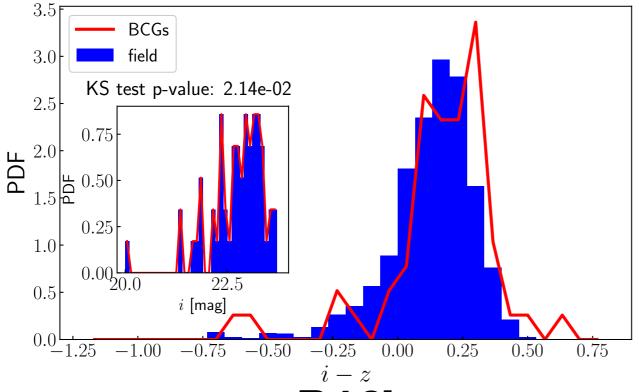
: The brightest and the most massive cluster galaxy

## →We are trying to detect progenitor of BCGs by using HSC protocluster at z~4

We detected 58 samples and they and their surrounding galaxy are…

- 1. brighter and
- 2. redder

than other regions.



Please come and see P19!

