LYMAN ALPHA EMITTER SURVEYS AT HIGH REDSHIFT

Masanori Iye, m.iye@nao.ac.jp
National Astronomical Observatory of Japan, Mitaka, Japan

Probing high redshift objects has been a challenging subject. Various surveys for Lyman alpha emitters (LAE), Lyman break galaxies (LBG), quasars and gamma ray bursters (GRB) have been carried out to push the observable frontier beyond redshift 6.

The author will give an overview of LAE surveys up to redshift 7.3 made with a series of narrow band filters mounted on SuprimeCam of Subaru Telescope and discuss their implications on the cosmic reionization.

The status of other surveys including those with near infrared cameras and future instruments, where information is available, may be supplemented.