

Z117r The PFS Galaxy Evolution Survey

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I will present a broad overview of the PFS Galaxy Evolution Survey design. I will introduce the main components – the first galaxies and reionization, the cosmic web as traced by Ly- α tomography, and a continuum-selected survey at redshift $z = 1$ to 2.

Given its wide wavelength coverage and high multiplexing, PFS is uniquely powerful for each of these survey components, and in particular will allow us to connect the evolution of physical galaxy properties with the cosmic web at all epochs. We will have a transformative sample of deep spectra spanning the redshift range of $0.7 < z < 7$.

The PFS Galaxy Evolution working group welcomes involvement from the wider Japanese community, and I will discuss various ways to get involved with our planning work.