

Basic numbers of SuMIRe PFS

- Fiber number: ~ 2400 (fiber size=1 arcsec)
- Primary targeted wavelength coverage: 600 - 1000nm (1A/pix)
- Resolution: $R > 2400$ @ $\lambda = 800\text{nm}$
- How many beams? (optional or upgrade paths under consideration)
 - Single beam (only red): 600 – 1000nm
 - Double beams (either of red plus blue or red plus NIR up to 1300nm): 450 – 700nm plus 700 - 1000nm; or 600 - 1000nm plus 1000 - 1300 nm
 - Path to high-resolution mode: $R \sim 20000$ (which wavelength coverage?)
- Pixel size: 15 microns
- Beam size: about 150 mm
- Total throughput (goal): $\sim 20\%$