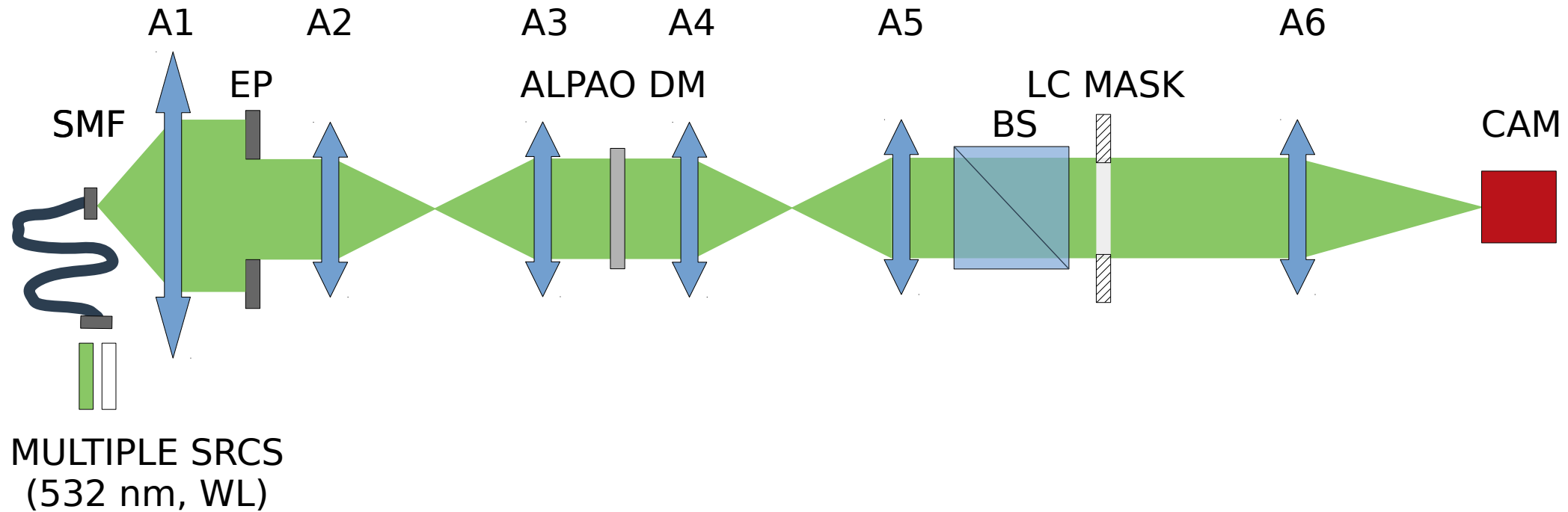


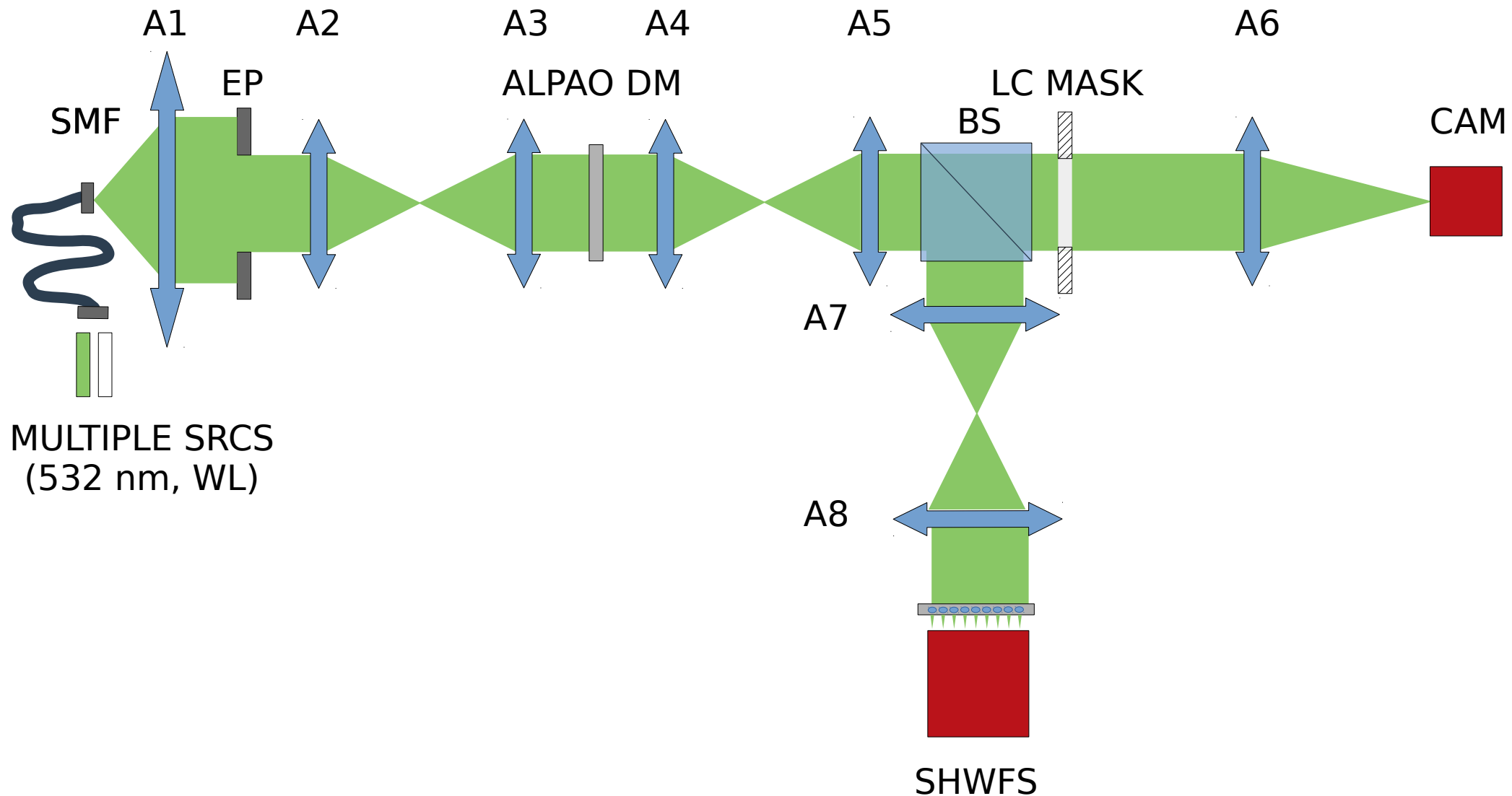
# Low-Order Optical Lab Bench

HCI Meeting – September 25, 2019

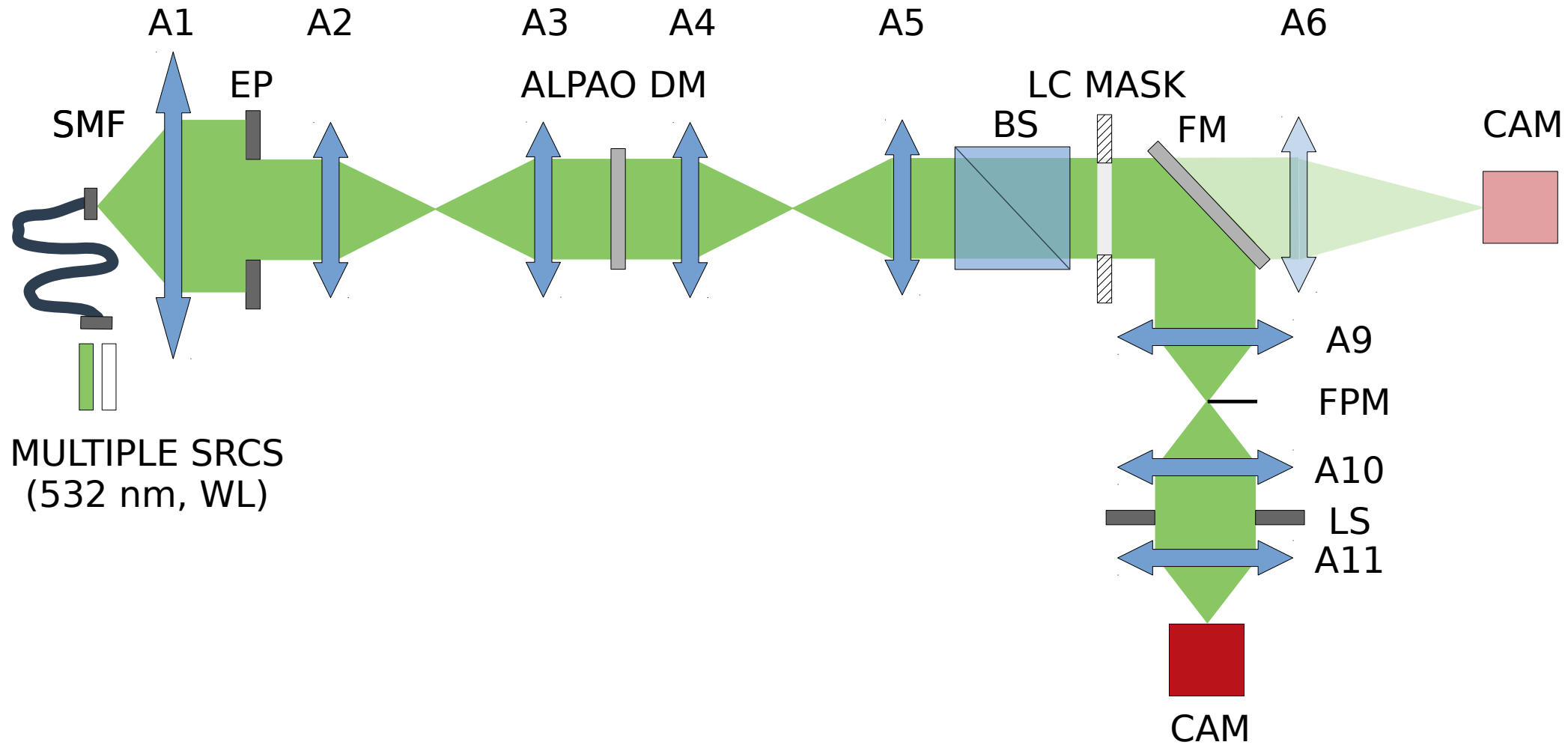
# Optical layout: GMT base design



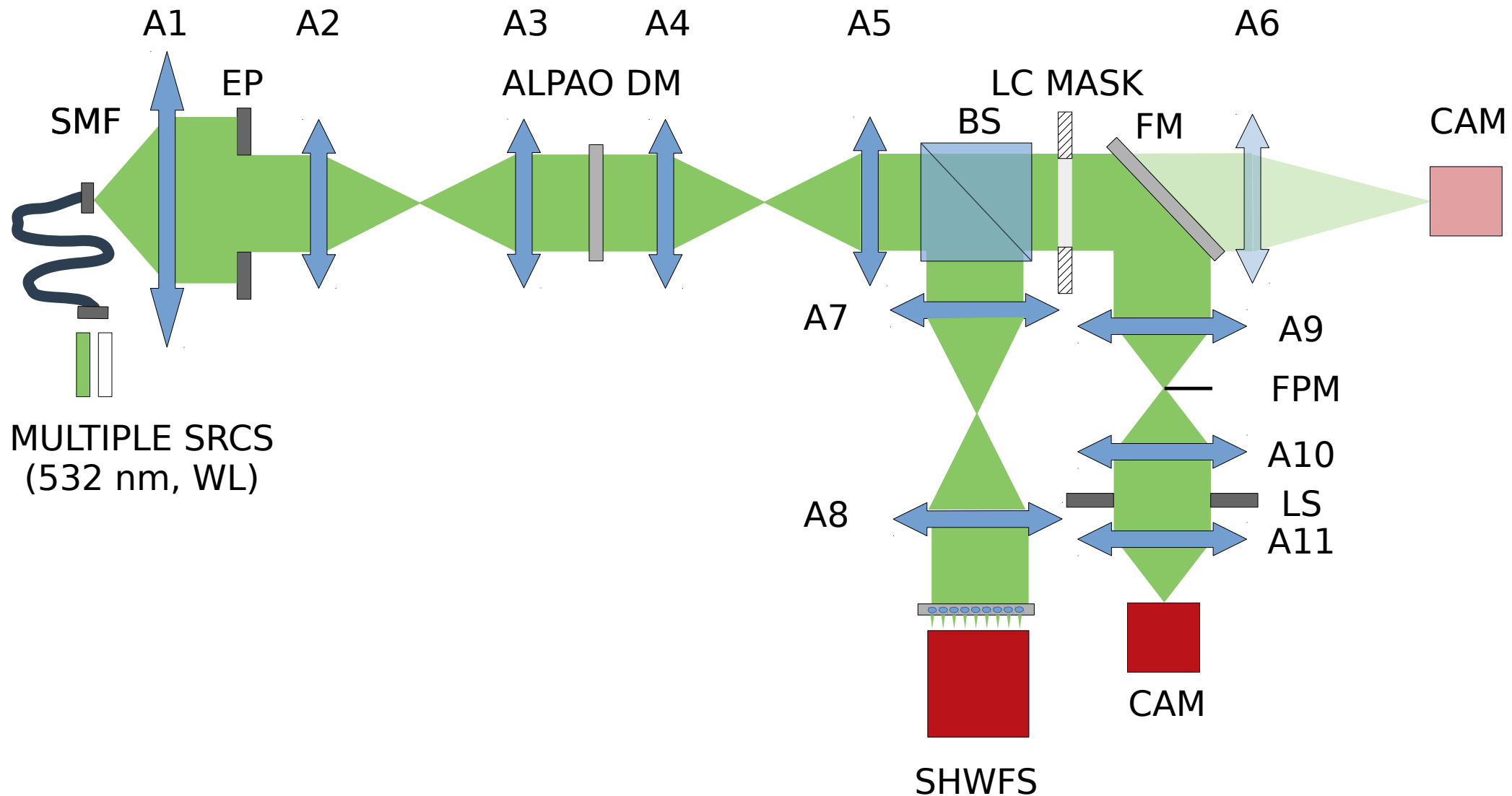
# Optical layout: Additional SHWFS



# Optical layout: Additional PAPLC



# Optical layout: Full layout



# Requirements

- For base design: 6 achromats
  - Focal lengths set by magnification between the DM and LC mask as well as sampling at the camera
  - 1 to 1 magnification between EP and DM
  - $\sim 0.5$  magnification between DM and LC mask
- Binary circular mask to define EP ( $D = 11$  mm)
- Shack-Hartmann WFS
- Shear-plate interferometer
- New white light source