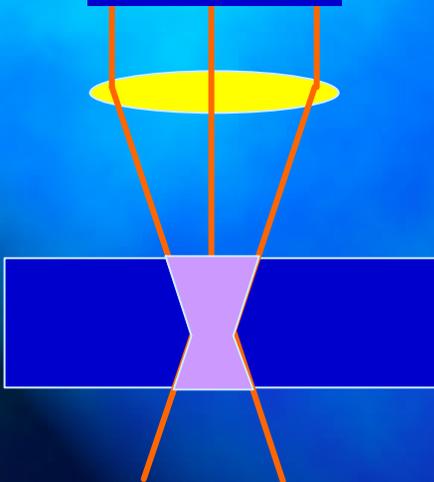


Conventional vs. Holographic TPIP

One-Photon Focused Beam

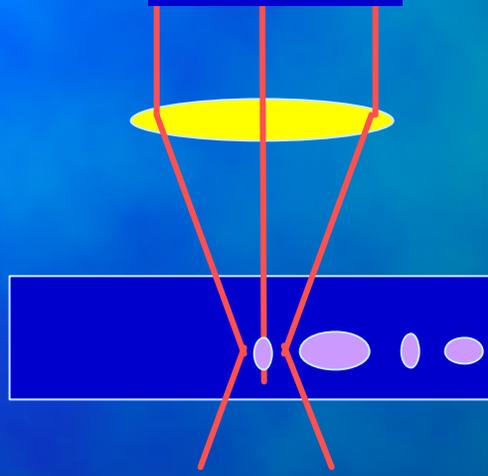
1 ~ 400 nm
(Blue Light)



- Large Activated Volume
- Single Site
- Poor Penetration Depth

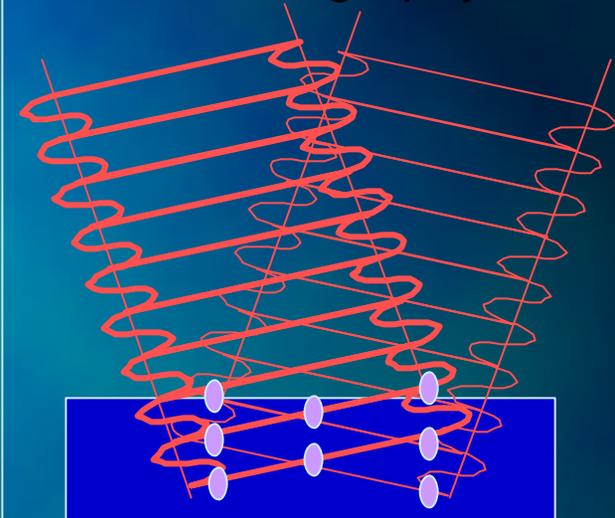
Two-Photon Focused Beam

1 ~ 800 nm
(Near IR)



- Improved Spatial Resolution (due to intensity threshold)
- Single Site
- Better Penetration Depth

Two-Photon Holography



- Improved Spatial Resolution (due to intensity threshold)
- Multiple Site (Parallel Process)
- Better Penetration Depth