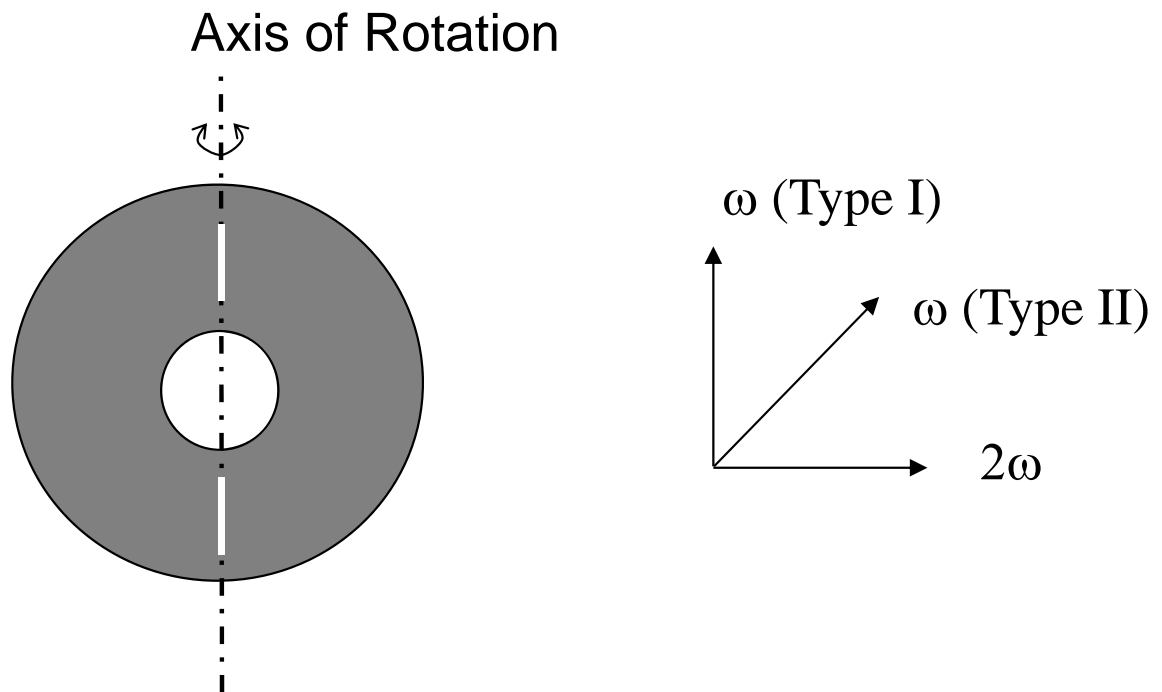


## Orientation of mounted BBO thin crystal for SHG



- The crystal may be tuned around the axis of rotation for phase matching. For Type I phase matched SHG the incident polarization must be parallel with the axis of rotation. For Type II phase matched SHG the incident polarization must be at 45 degree wrt. the axis of rotation.
- The crystal has two surfaces S1 and S2. An arrow on the side of the holder may be used to point from S1 to S2. Ignore it if S1 and S2 are identical.
- For ultrathin crystals with a fused silica substrate, S1 is the crystal side, S2 the fused silica side.