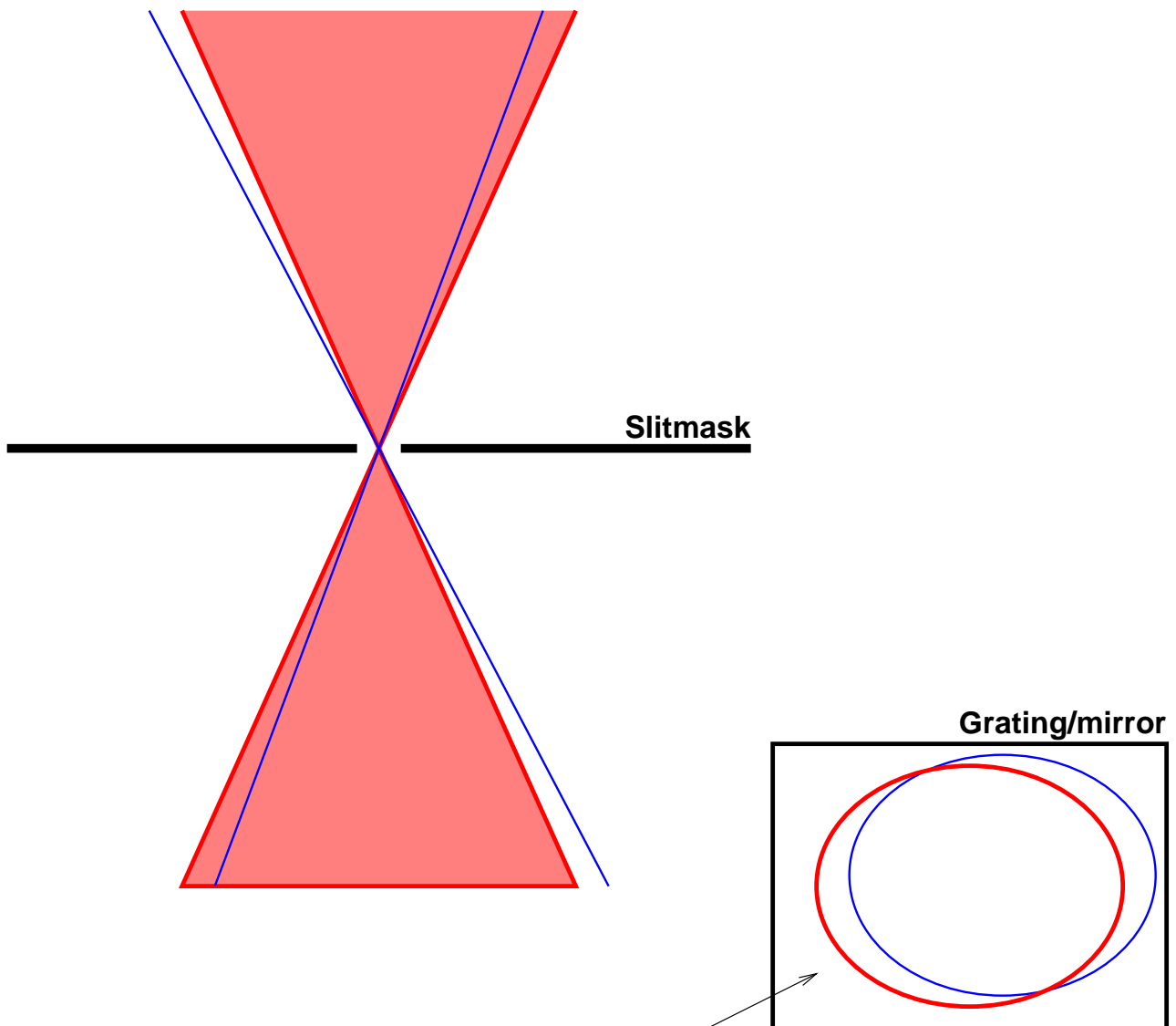


Effects of Tilting Beam Angles



Input beams at different angles (above; blue) shift the location of the pupil on the grating, but come to the same focus on the detector, albeit with somewhat different aberrations.

The beam opening angle at the slitmask is ± 1.9 deg, and this nearly fills the grating. Thus, tilt angles must be very small wrt 1.9 deg in order to avoid both vignetting and intolerable aberrations from grossly overfilling parts of the beam.

