

Position-angle offset ( $^{\circ}$ )

$$\Sigma_{10}: r = -0.08 \pm 0.18$$

$$\Sigma_{10, \text{fs}}: r = 0.37 \pm 0.11$$

$$\Sigma_{20}: r = -0.26 \pm 0.15$$

$$\Sigma_{20, \text{fs}}: r = 0.49 \pm 0.13$$

