

Supplementary Material for “High-dimensional maximum-entropy phase space tomography using normalizing flows”

The following figures repeat the numerical experiment in Fig.2 of the main text for different ground-truth distributions.

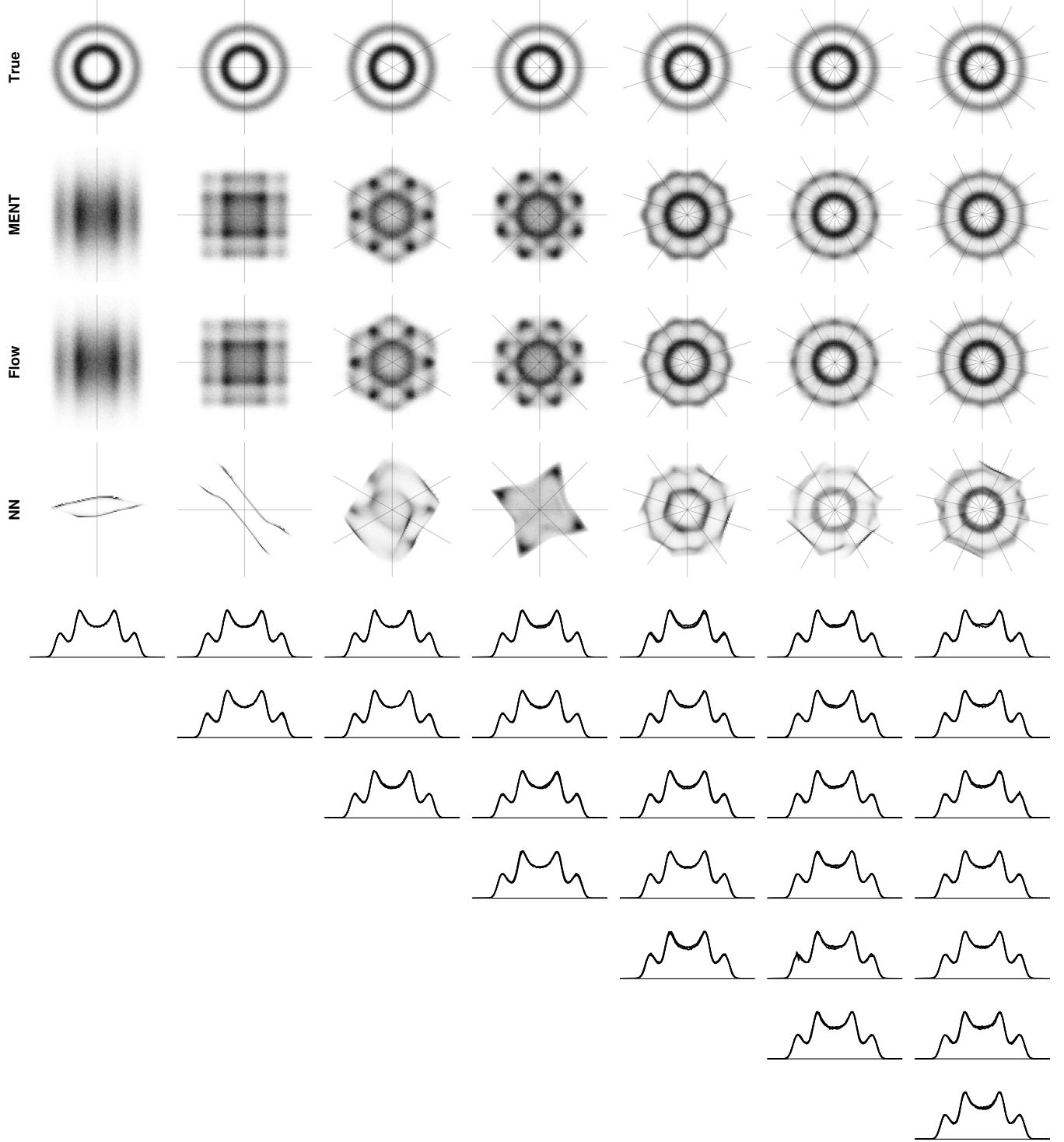


FIG. 1. 2D reconstruction of the “rings” distribution from evenly spaced 1D projections. The top four rows plot samples from the true distribution, MENT reconstruction, MENT-Flow reconstruction, and NN reconstruction. Faint lines show the evenly spaced projection angles, increasing from 1 in the left column to 7 in the right column. In the bottom rows, the distributions are projected onto the measurement axes. (The four profiles overlap in most cases.)

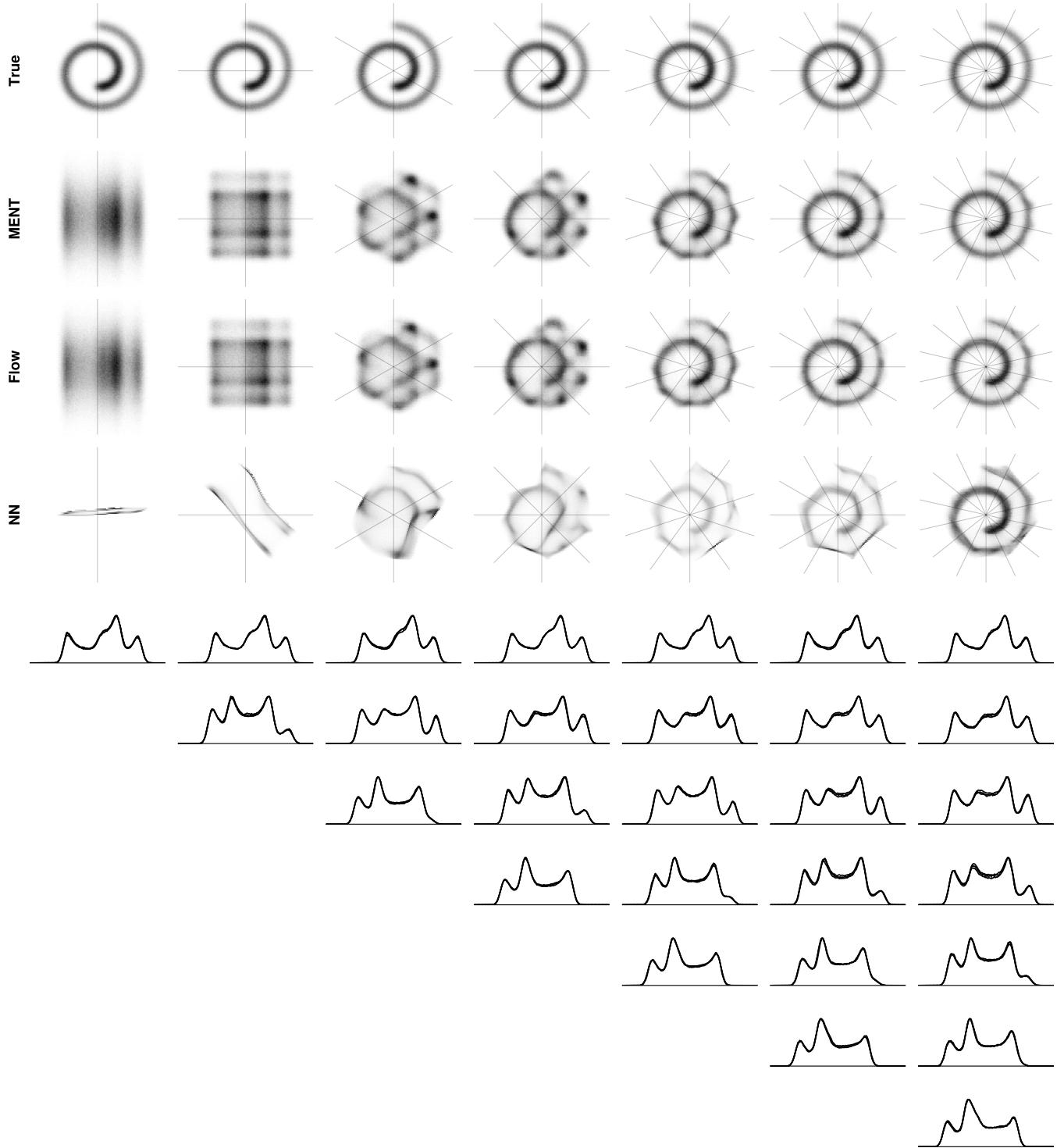


FIG. 2. 2D reconstruction of the “swissroll” distribution from evenly spaced 1D projections. The top four rows plot samples from the true distribution, MENT reconstruction, MENT-Flow reconstruction, and NN reconstruction. Faint lines show the evenly spaced projection angles, increasing from 1 in the left column to 7 in the right column. In the bottom rows, the distributions are projected onto the measurement axes. (The four profiles overlap in most cases.)

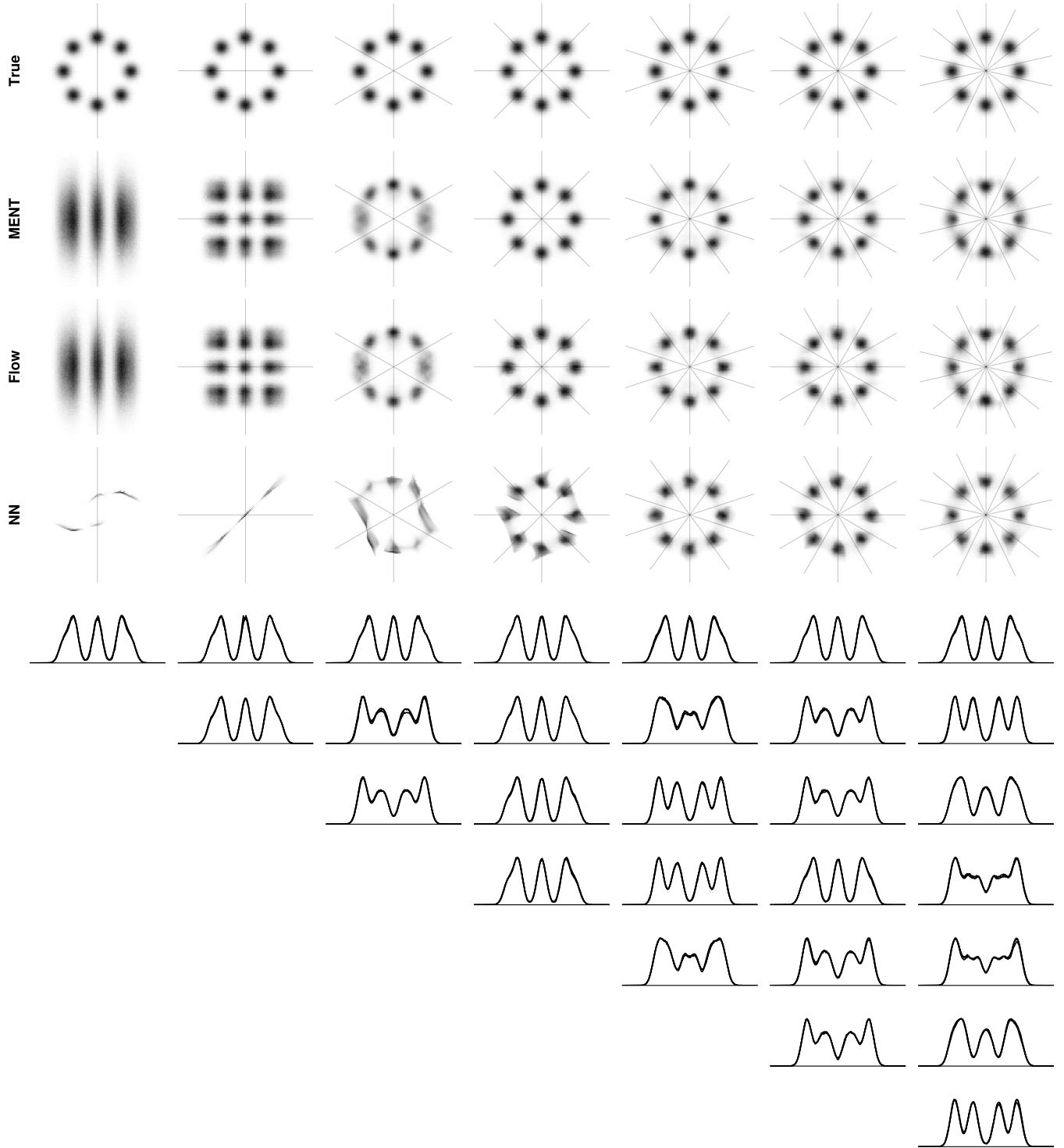


FIG. 3. 2D reconstruction of the “eight gaussians” distribution from evenly spaced 1D projections. The top four rows plot samples from the true distribution, MENT reconstruction, MENT-Flow reconstruction, and NN reconstruction. Faint lines show the evenly spaced projection angles, increasing from 1 in the left column to 7 in the right column. In the bottom rows, the distributions are projected onto the measurement axes. (The four profiles overlap in most cases.)

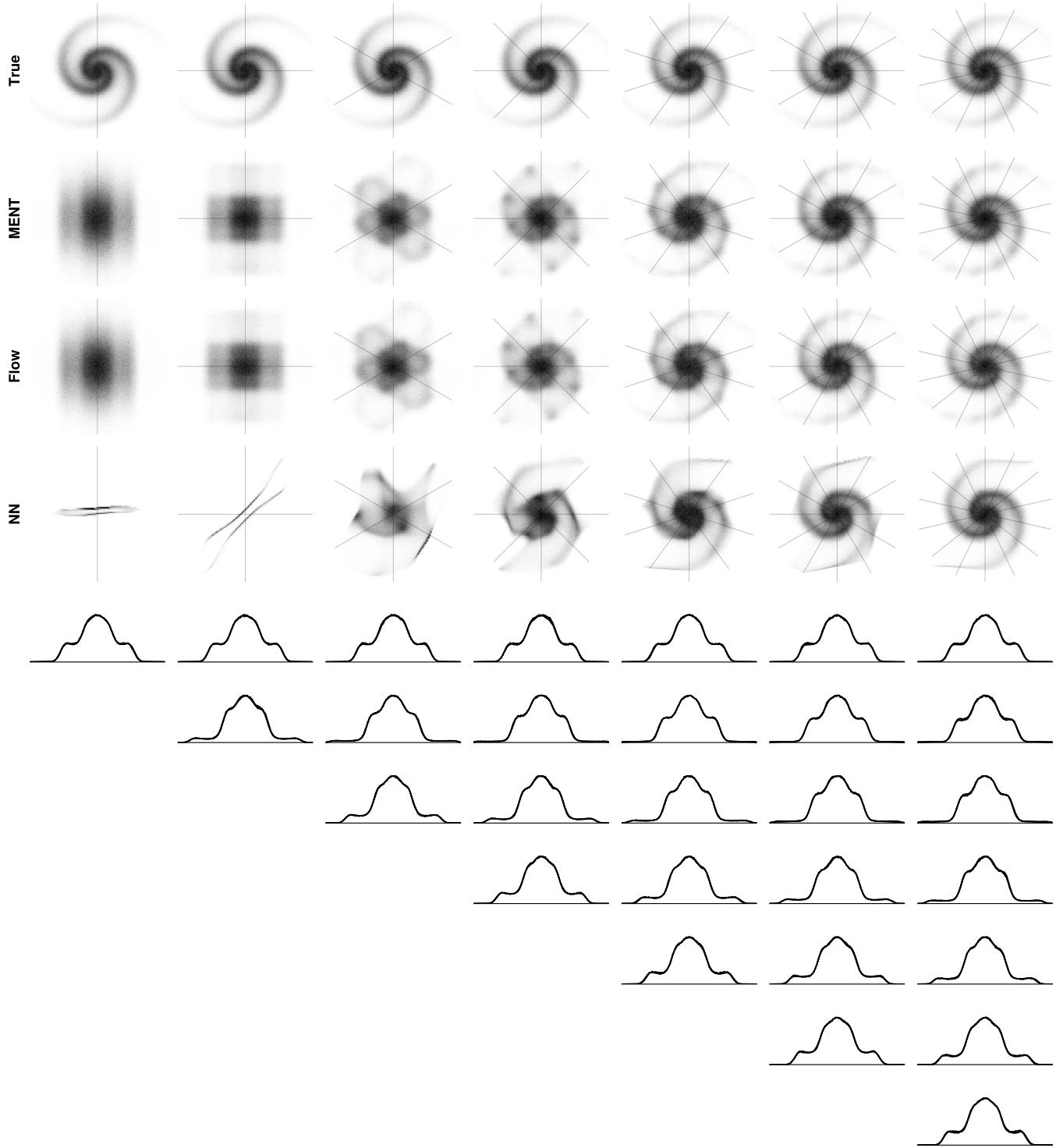


FIG. 4. 2D reconstruction of the “galaxy” distribution from evenly spaced 1D projections. The top four rows plot samples from the true distribution, MENT reconstruction, MENT-Flow reconstruction, and NN reconstruction. Faint lines show the evenly spaced projection angles, increasing from 1 in the left column to 7 in the right column. In the bottom rows, the distributions are projected onto the measurement axes. (The four profiles overlap in most cases.)

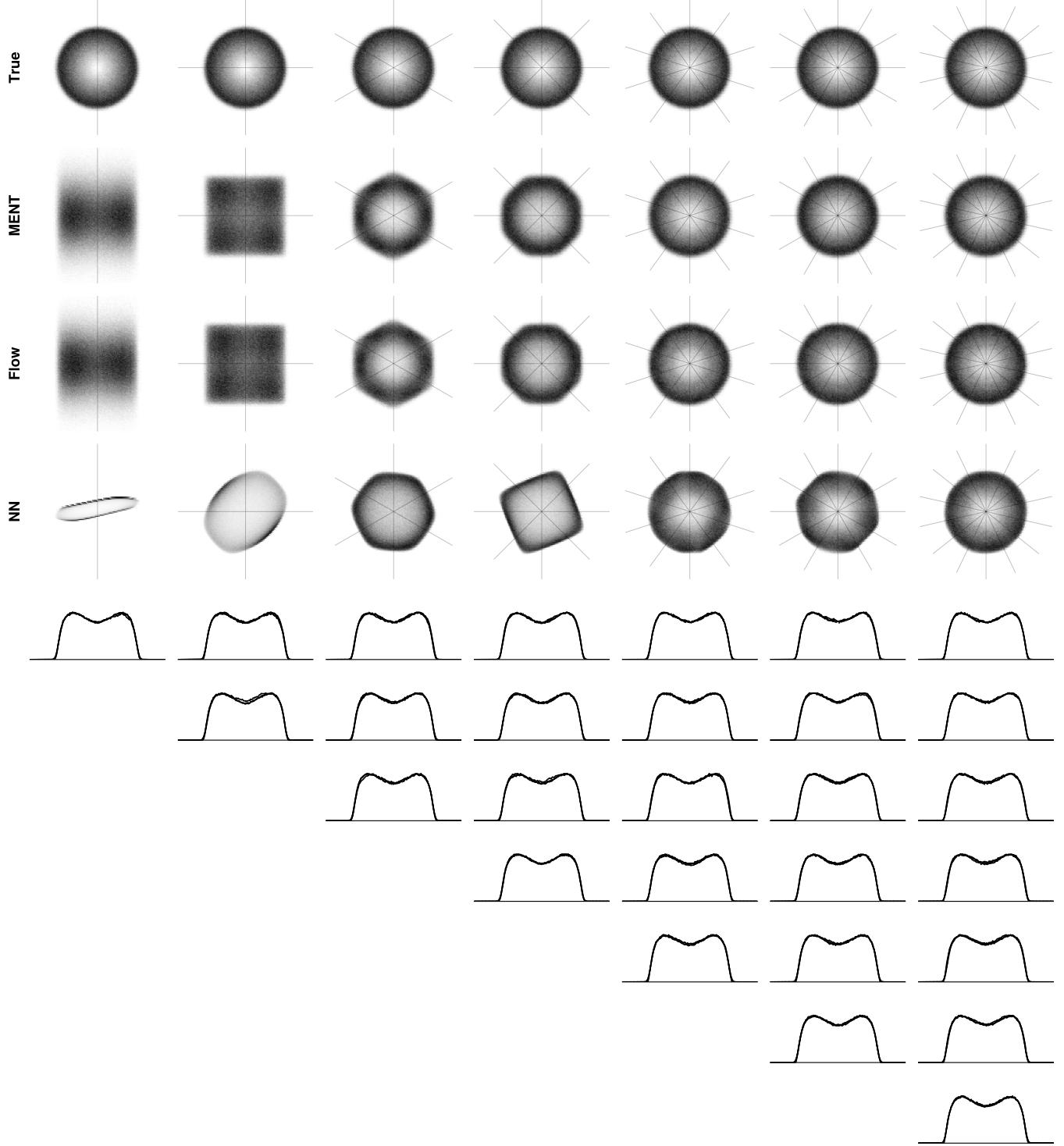


FIG. 5. 2D reconstruction of the “hollow” distribution from evenly spaced 1D projections. The top four rows plot samples from the true distribution, MENT reconstruction, MENT-Flow reconstruction, and NN reconstruction. Faint lines show the evenly spaced projection angles, increasing from 1 in the left column to 7 in the right column. In the bottom rows, the distributions are projected onto the measurement axes. (The four profiles overlap in most cases.)