## MULTI-SHELL dMRI ACQUISITION each $q_i$ corresponds to a different gradient strength and direction $\boldsymbol{q}_1$ $\boldsymbol{q}_2$ DIFFUSION SIGNAL AT VOXEL $S({m q})$ with ${m q}_i \in \{{m q}_1, \dots, {m q}_n\}$ **SUMMARY STATISTICS** $oldsymbol{x} \in \mathbb{R}^7$ **FULL POSTERIOR DISTRIBUTION** of the tissue parameters at voxel $D_a$ $p_2$ **NEURAL DENSITY ESTIMATOR** $p(oldsymbol{ heta}|oldsymbol{x})$ with $oldsymbol{ heta}\in\mathbb{R}^6$ 2000 0 $f_s$ $f_{\rm ECS}$