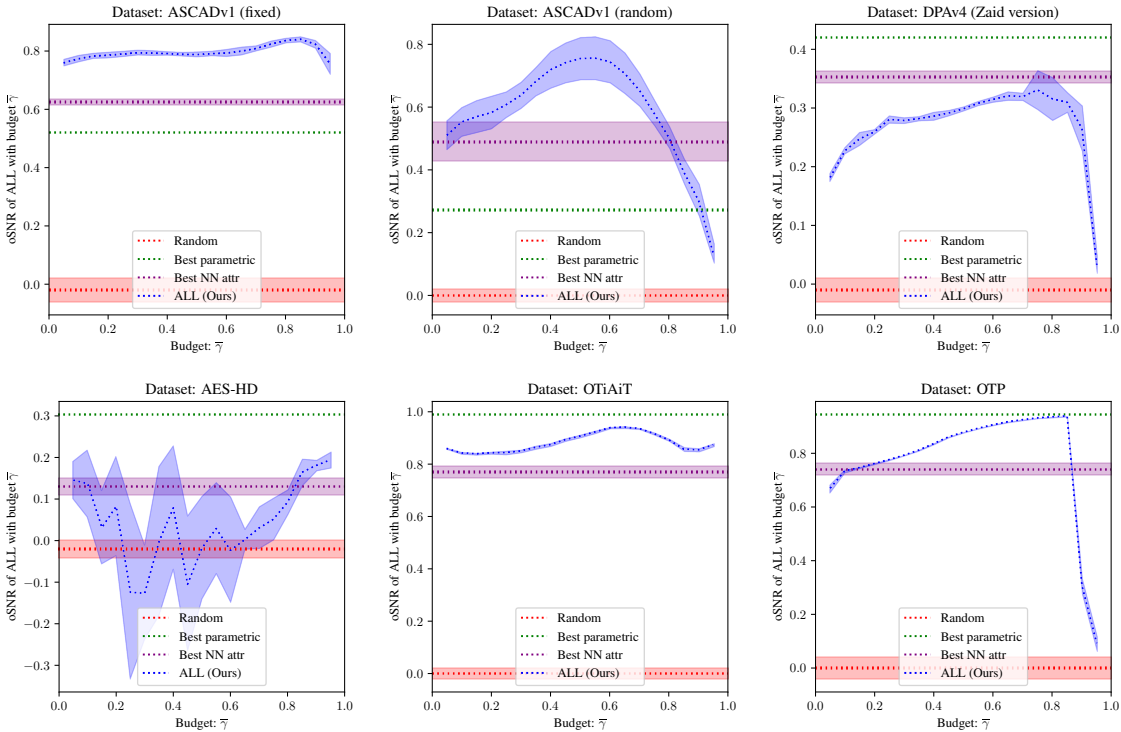

Figure 1: Performance of ALL (ours) for budget hyperparameter $\overline{\gamma} \in \{0.05, 0.1, 0.15, \ldots, 0.95\}$, measured using the oSNR metric (**larger is better**). Note that the set of valid values for $\overline{\gamma}$ is $(0, 1)$. The blue trace corresponds to ALL. Observe that while performance varies significantly with $\overline{\gamma}$, for all datasets except for AES-HD (challenging for all deep learning methods) the performance varies smoothly and remains significantly better than random chance; thus, $\overline{\gamma}$ is not excessively challenging to tune. For reference, we also plot horizontal lines and error bars corresponding to random guessing and the *best* parametric and neural net attribution methods, as indicated in the legend. We leave hyperparameters other than $\overline{\gamma}$ fixed at their optimal values chosen through random search as described in Appendix C.3.3. Dotted lines denote mean and shading denotes median over 5 random seeds.