Global MO-HPIs for HPO + NAS on D01 (BrainTumour) **HPO Hyperparameters** NAS Hyperparameters 0.6 mportance 0.4 0.2 0.0 -0.0 0.2 0.4 0.6 0.8 1.0 0.0 0.2 0.4 0.6 0.8 Runtime 1 - DSC [%] Runtime 1 - DSC [%] Weight of 1 - DSC [%] Weight of 1 - DSC [%] **HPO** Hyperparameters NAS Hyperparameters Optimizer Weight Decay Encoder Type Activation

Model Scale Momentum (SGD) Loss Function Normalization Initial LR Data Aug. Factor Base #Features Dropout Rate LR Scheduler Foreground Oversamp. Max. #Features