Remote sites user 1 user 2 interactive secure shell pyHMF mode thin PyNN wrapper Euter C++ user de-/ serialization layer serialized results **PyNN** UHE Hybrid Multiscale Facility (HMF) Conventional Part Neuromorphic **Part HAL** process Ester proxy (forwarding) Wafers **HAL** process **HAL** process configuration serialized **PyNN** data **HAL** process Mapping cluster (UHEI or external) pyHMF Ester C++ server layer serialized mapping *PyNN/*RPC Euter scheduler interactive several sub-mapping jobs are all sub-mapping results form a spawned for large networks single experiment configuration data set mapping processes