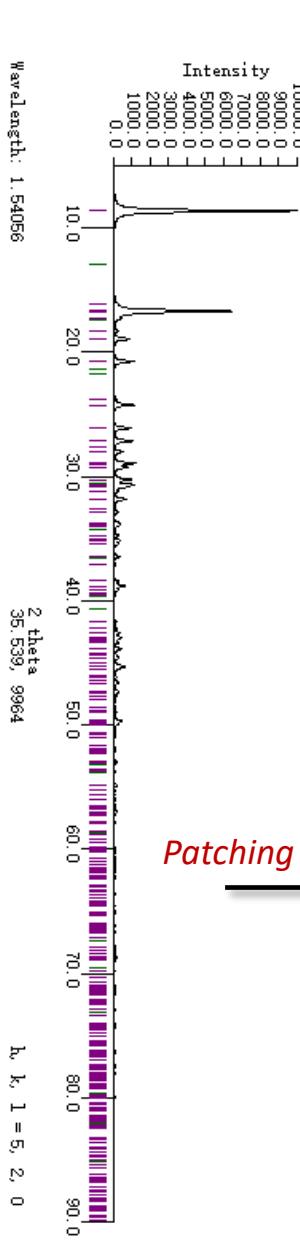
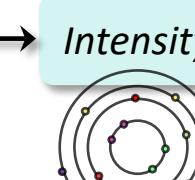
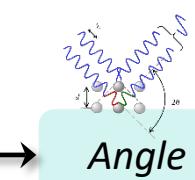


PXRD Pattern

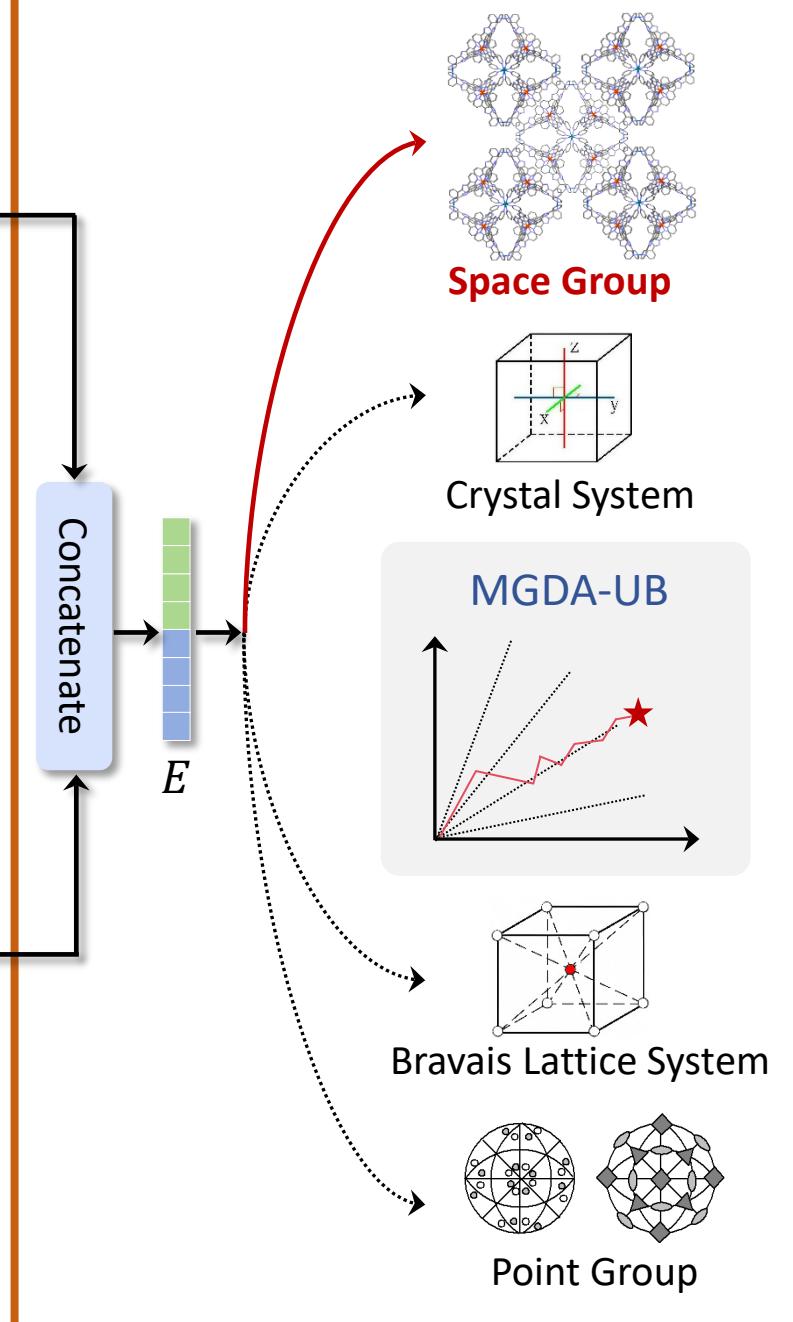
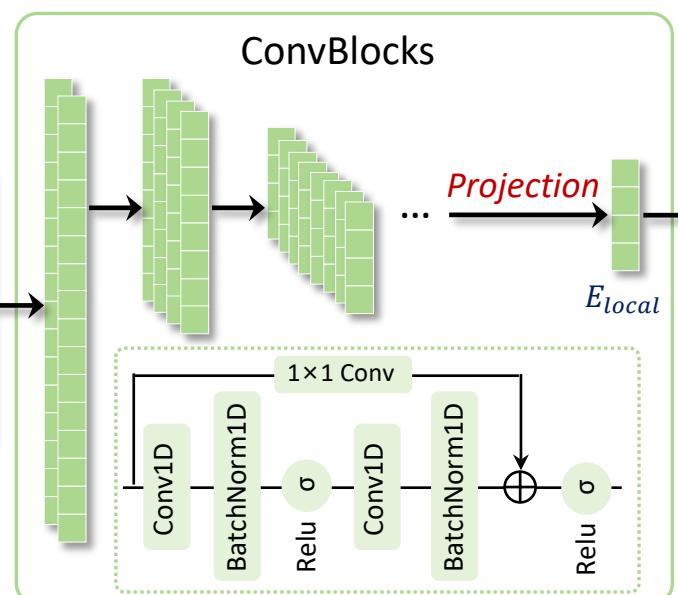


Hierarchical PXRD Pattern Learning

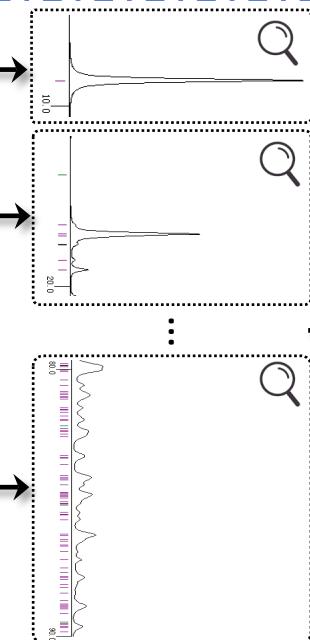
Local Pattern Module



Concatenate



Patching



Global Pattern Module

Attention Block

GlobalPooling
 E_{global}

Patch Position Feature
Patch Mask Bit