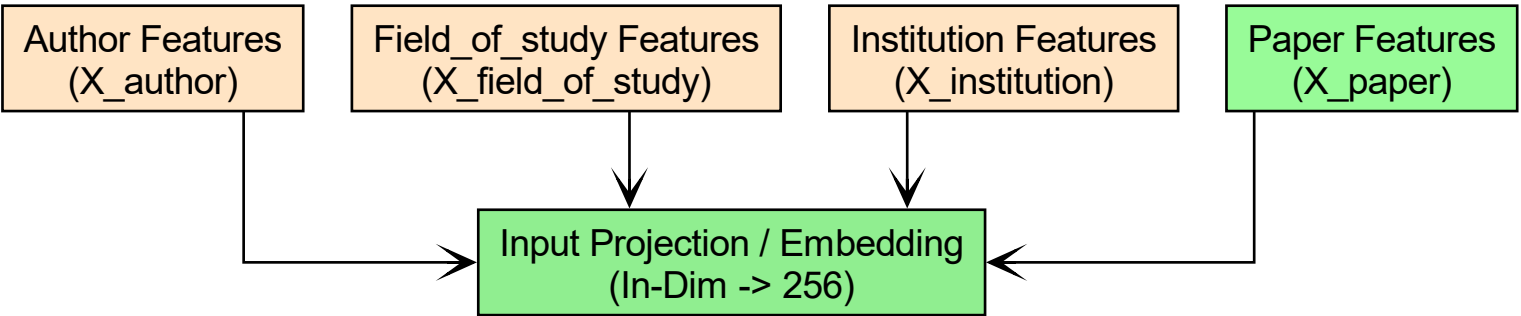
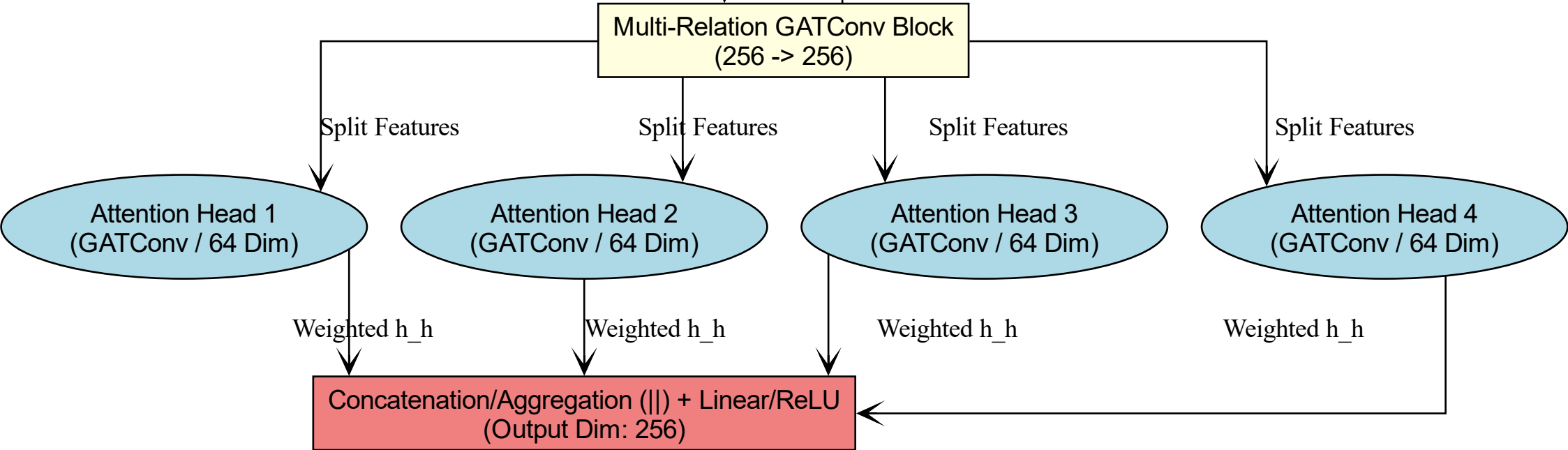


Input Features & Embeddings



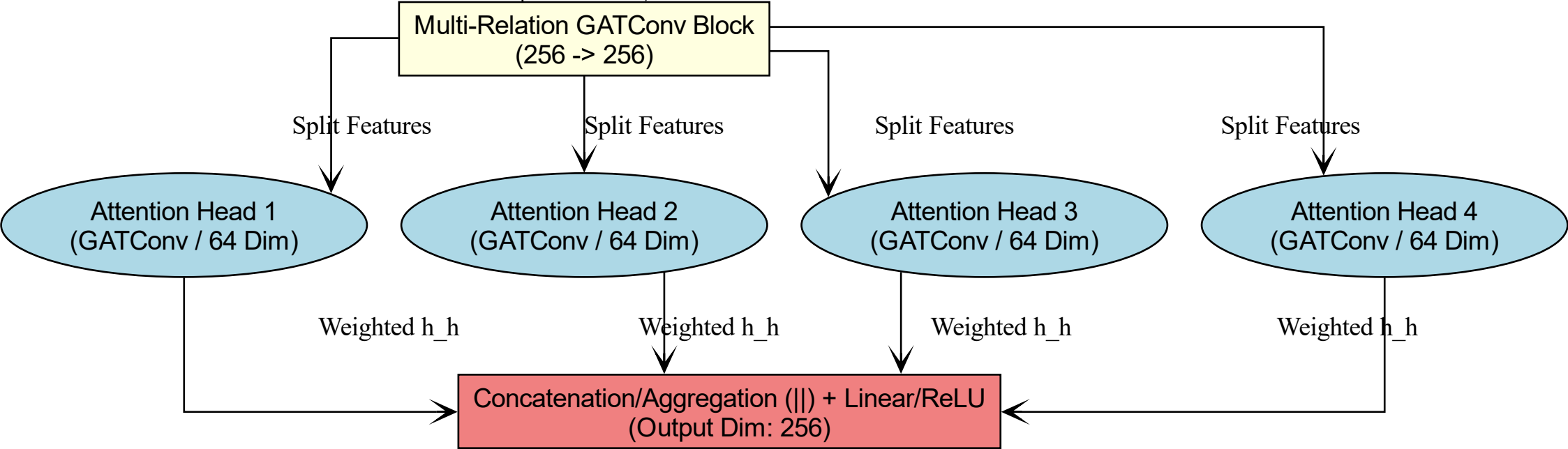
h<sub>in</sub> Edge Index Dict (8 types)

HeteroConv Layer 1



h<sub>in</sub> Edge Index Dict (8 types)

HeteroConv Layer 2



Extract h<sub>paper</sub>

Final Paper Embeddings Extraction (h<sub>paper\_final</sub>)

h<sub>paper\_final</sub>

Classifier (Linear)  
(256 -> 349 classes)

Apply Softmax / Loss: Cross-Entropy

Logits (Paper Classification)