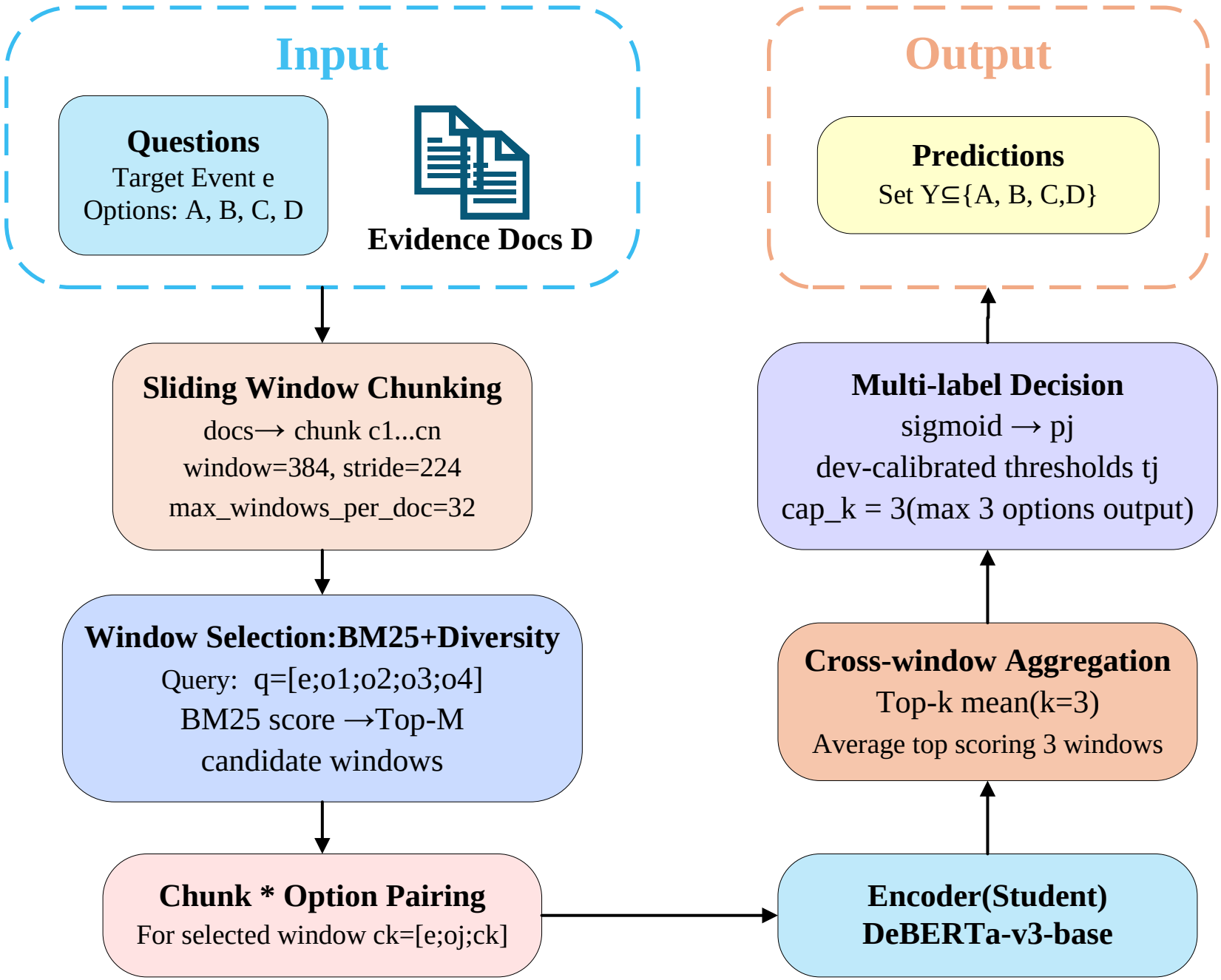
Input
Questions
Target Event e
Options: A, B, C, D
Evidence Docs D
Output
Predictions
Set Y⊆{A, B, C,D}
Sliding Window Chunking
docs⟶ chunk c1...cn
window=384, stride=224
max_windows_per_doc=32
Window Selection:BM25+Diversity
Query: q=[e;o1;o2;o3;o4]
BM25 score →Top-M
candidate windows
Chunk * Option Pairing
For selected window ck=[e;oj;ck]
Encoder(Student)
DeBERTa-v3-base
Cross-window Aggregation
Top-k mean(k=3)
Average top scoring 3 windows
Multi-label Decision
sigmoid → pj
dev-calibrated thresholds tj
cap_k = 3(max 3 options output)