

## HOTPOTQA: Comparison with BEIR Benchmark

| Category | Our Method  | Our nDCG@10  | BEIR Method | BEIR nDCG@10 | Δ%     |
|----------|-------------|--------------|-------------|--------------|--------|
| Lexical  | BM25        | 0.586        | BM25        | <b>0.603</b> | -2.9%  |
| Sparse   | Splade      | <b>0.687</b> | docT5query  | 0.580        | +18.4% |
| Dense    | BGE         | <b>0.658</b> | TAS-B       | 0.584        | +12.7% |
| Rerank   | BM25_MonoT5 | <b>0.714</b> | BM25+CE     | 0.707        | +0.9%  |