RQ4: Pruning (Filter) Dominates Execution Time
CECI Single-Thread Breakdown

Legend: Filter/Pruning (Sequential), Enumeration (Parallel)

If Filter > 90%, max speedup < 10x (Amdahl's Law)

Y-axis: Percentage of Total Execution Time

X-axis: Dataset and Query Size

- ENRON 8v: Filter 97%, Enumeration 3%
- ENRON 16v: Filter 95%, Enumeration 5%
- ENRON 32v: Filter 89%, Enumeration 11%
- DBLP 8v: Filter 76%, Enumeration 24%
- DBLP 16v: Filter 87%, Enumeration 13%
- DBLP 32v: Filter 89%, Enumeration 11%
- LiveJournal 8v: Filter 99%
- LiveJournal 16v: Filter 100%
- LiveJournal 32v: Filter 100%
- RoadNet 8v: Filter 77%, Enumeration 23%
- RoadNet 16v: Filter 93%
- RoadNet 32v: Filter 94%