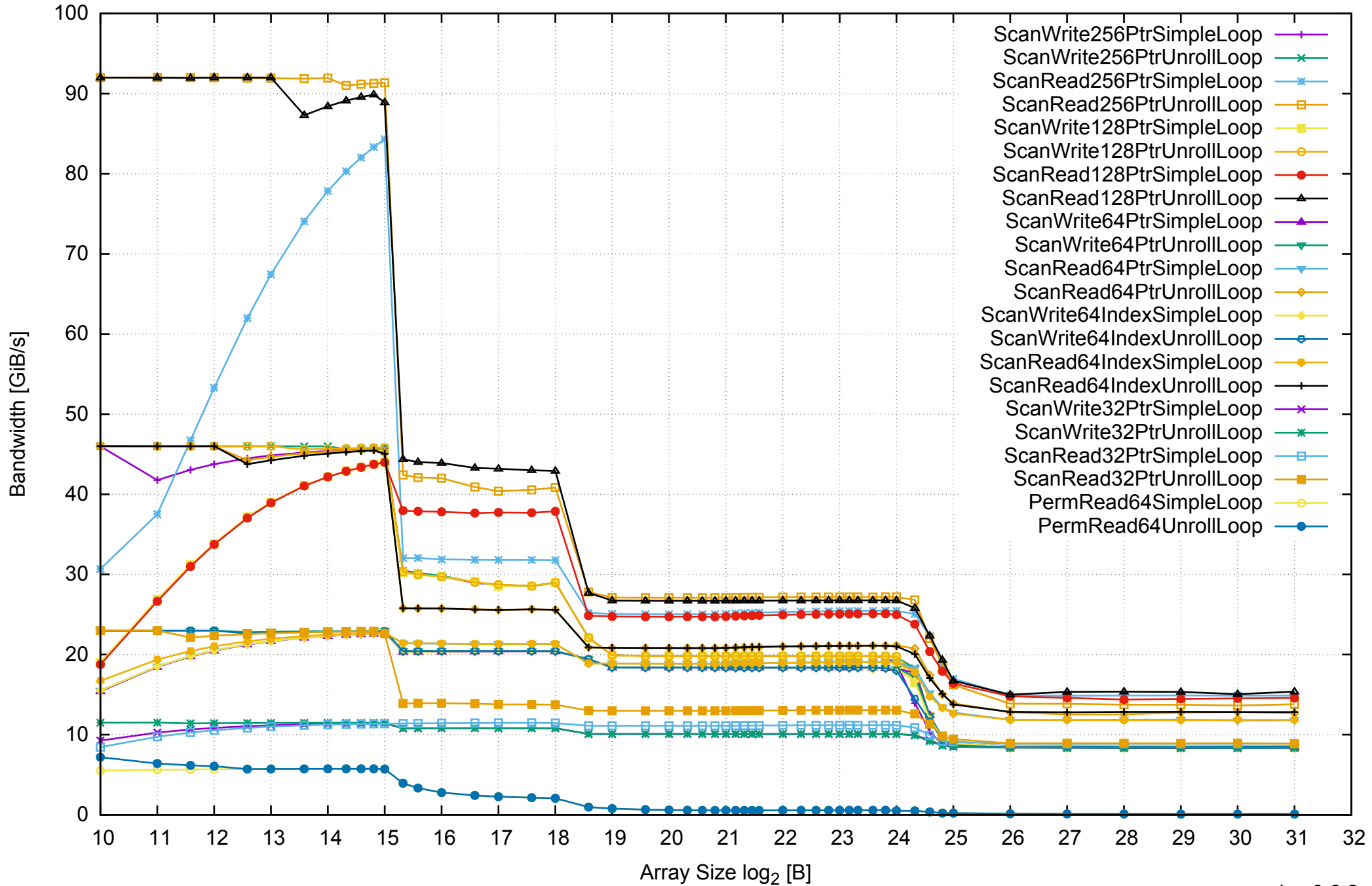
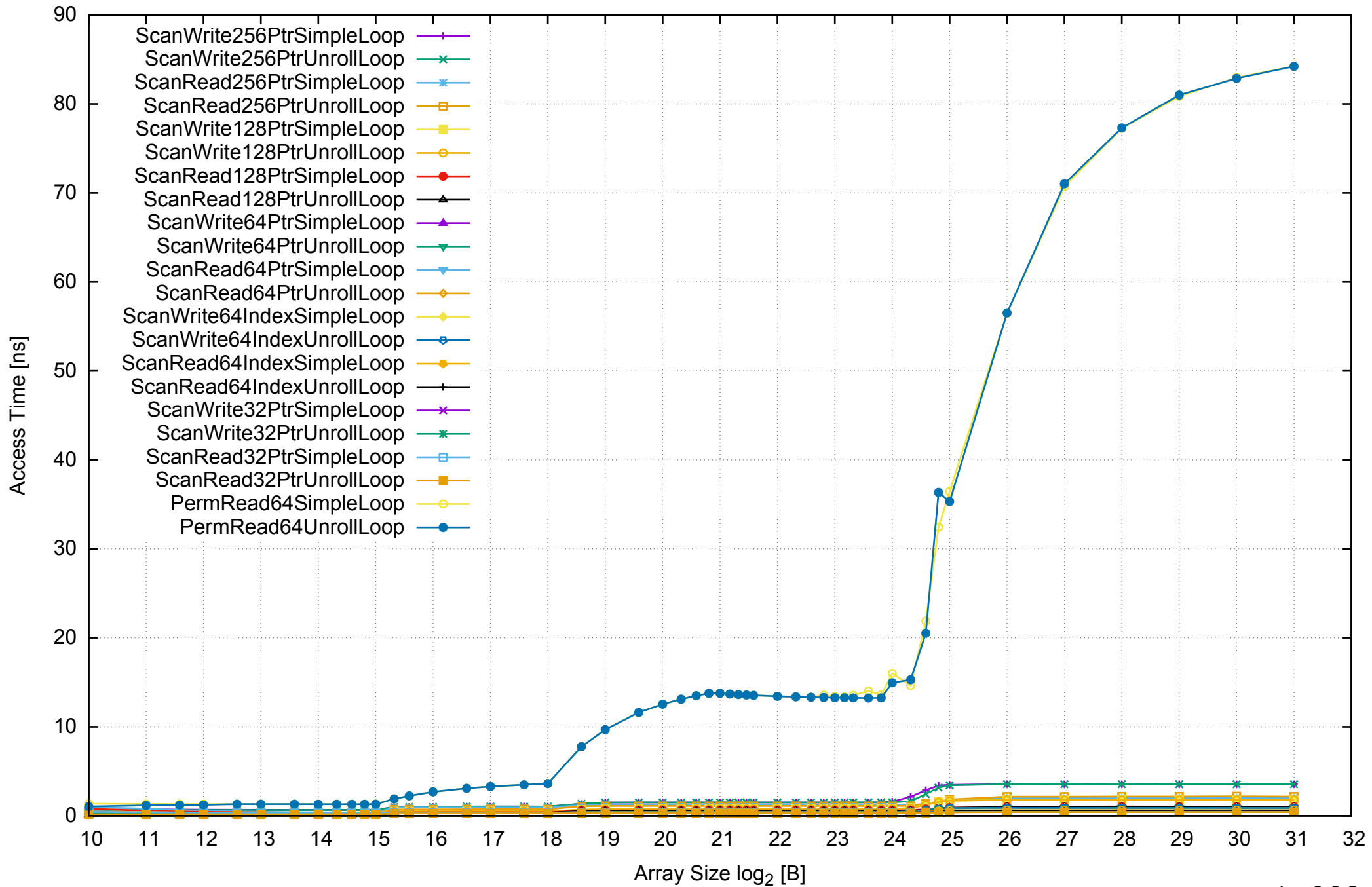


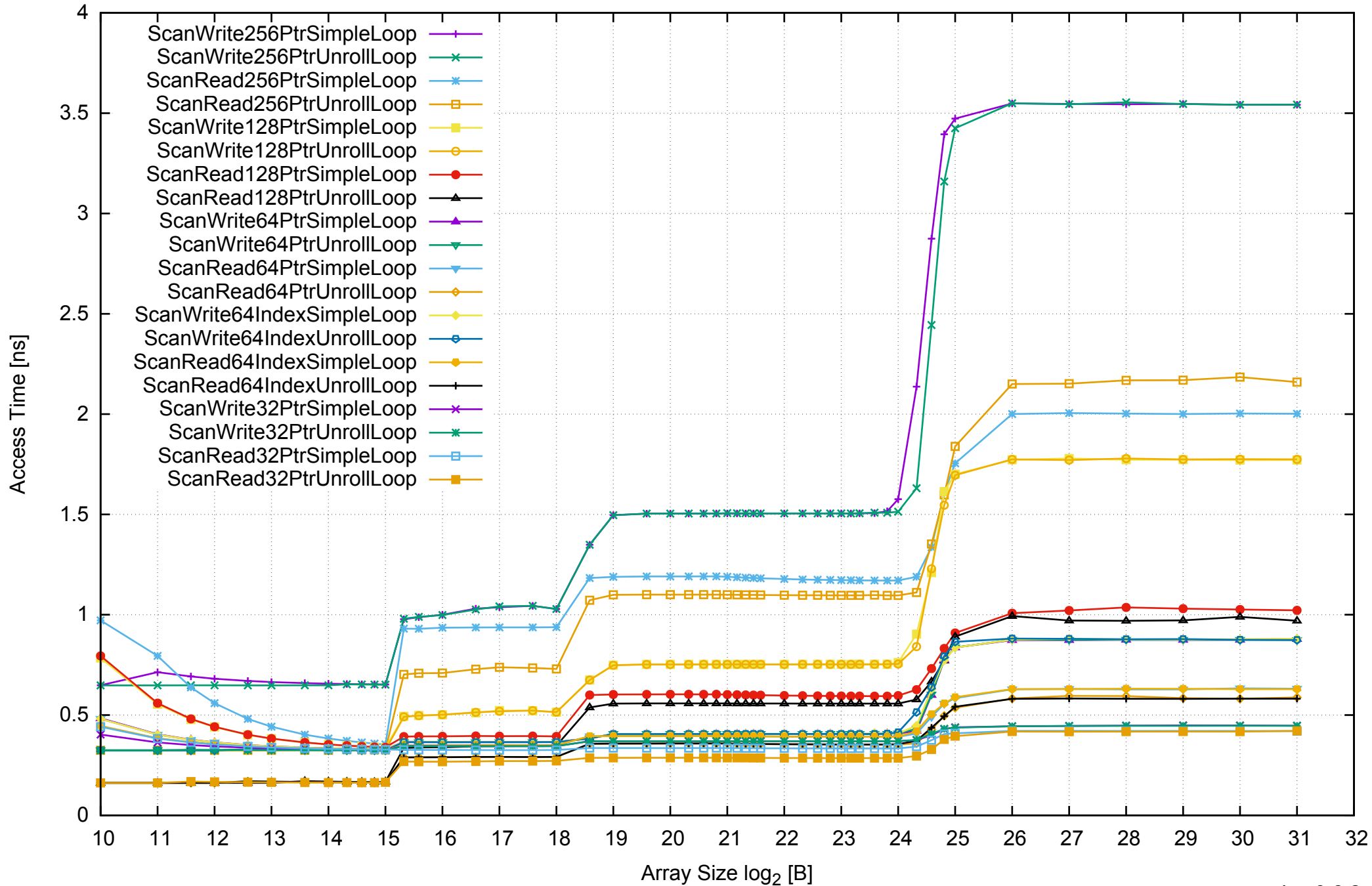
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - One Thread Memory Bandwidth



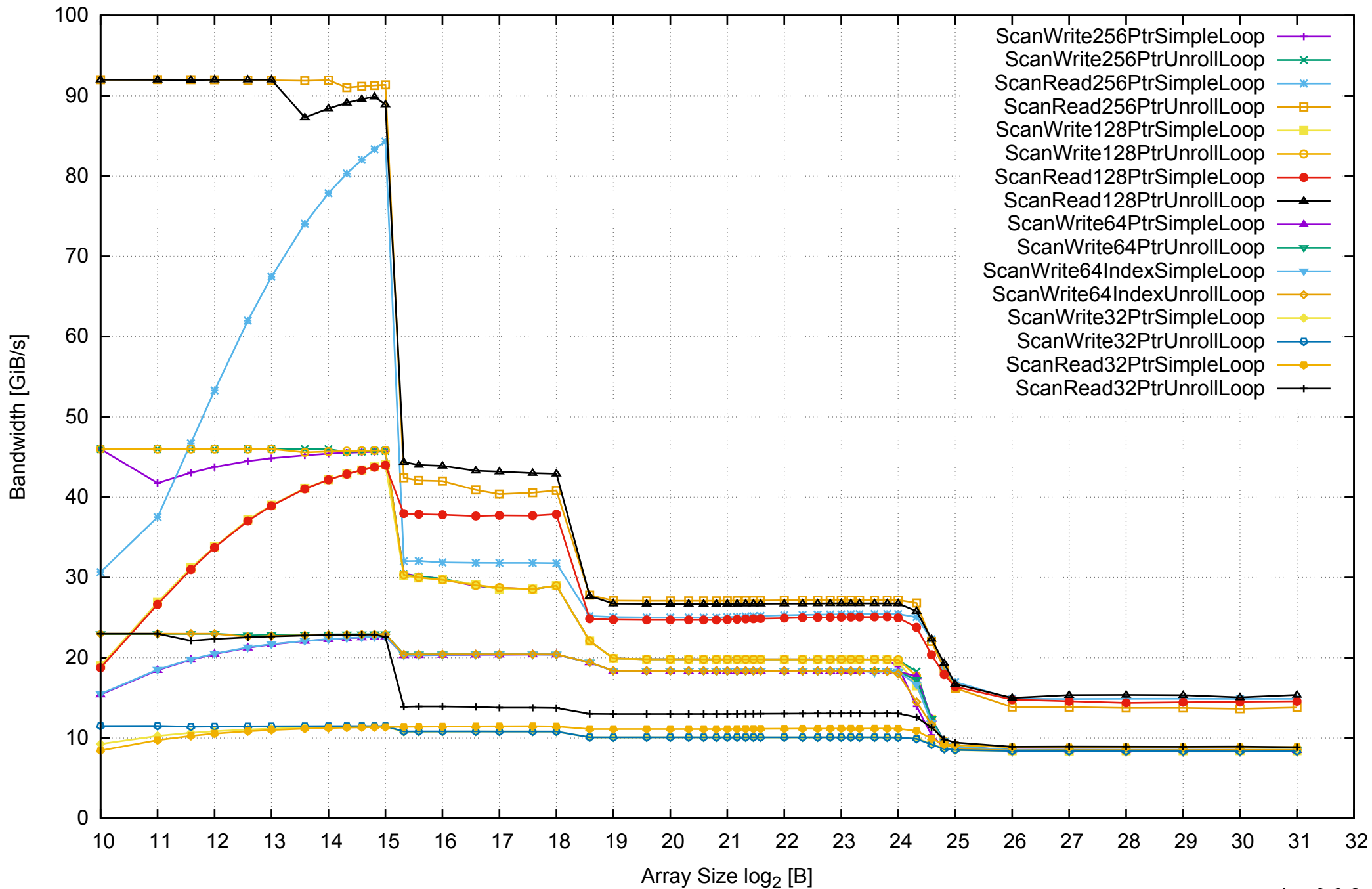
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - One Thread Memory Latency (Access Time)



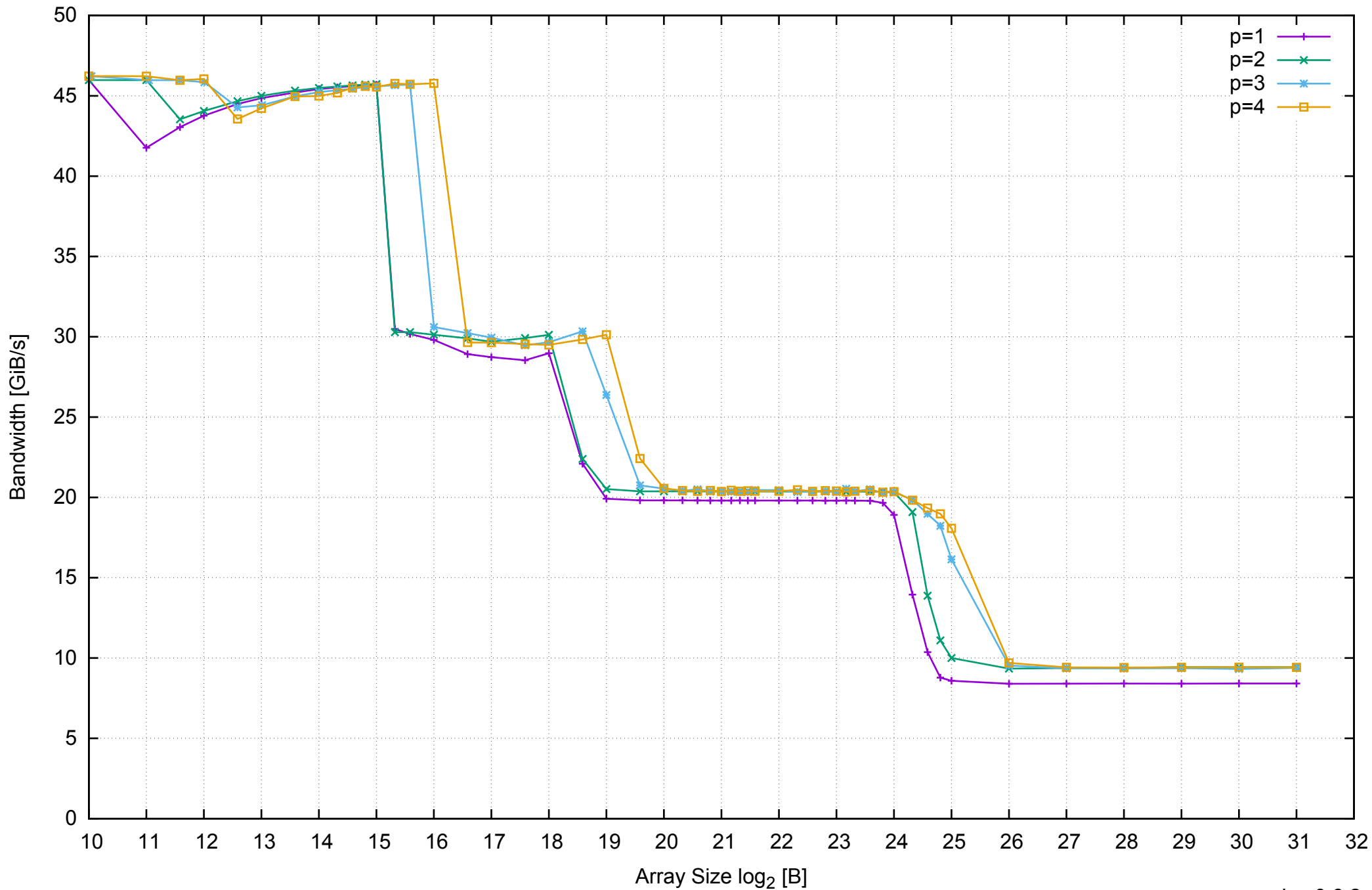
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - One Thread Memory Latency (excluding Permutation)



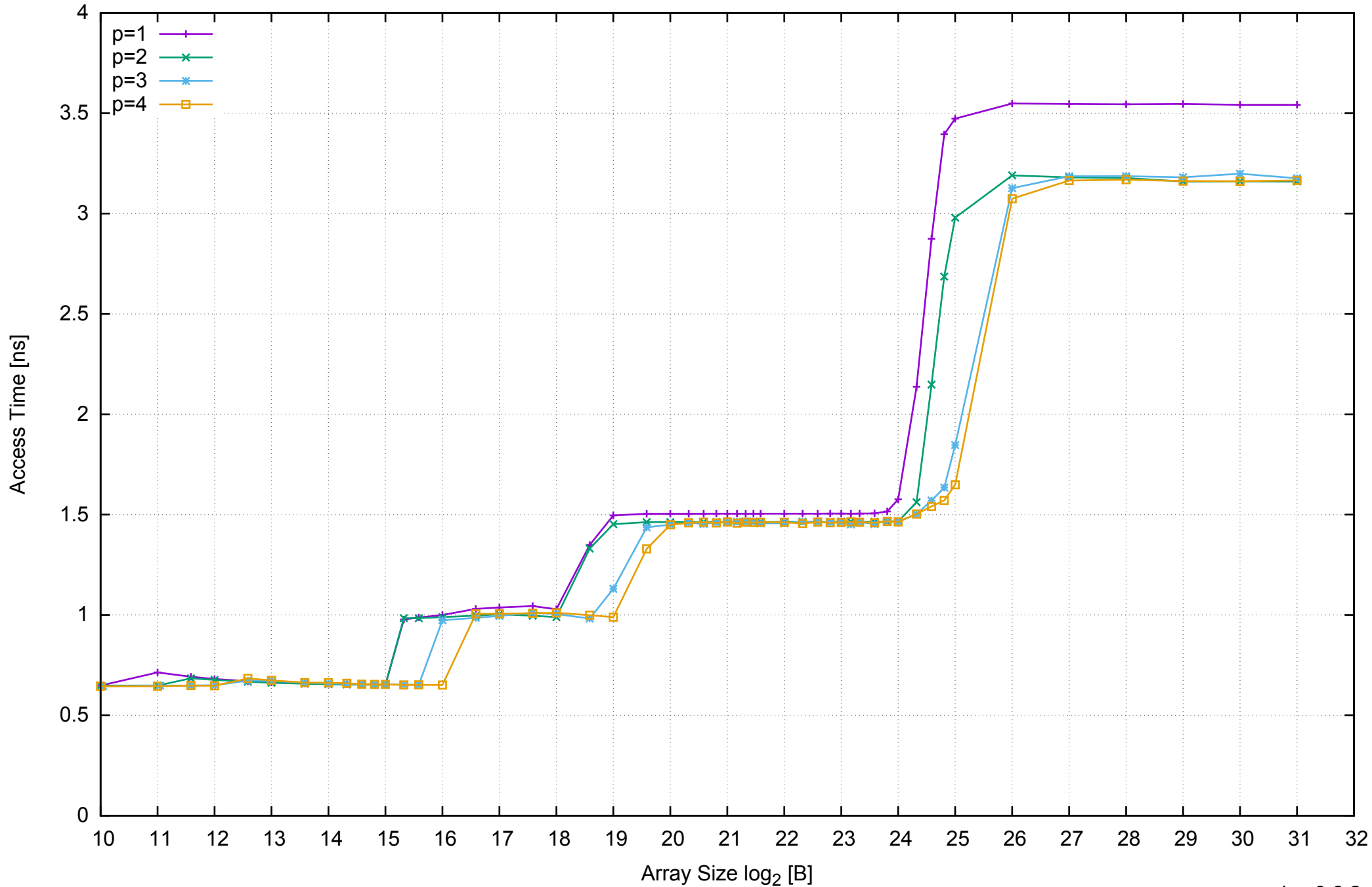
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - One Thread Memory Bandwidth (only 64-bit Reads)



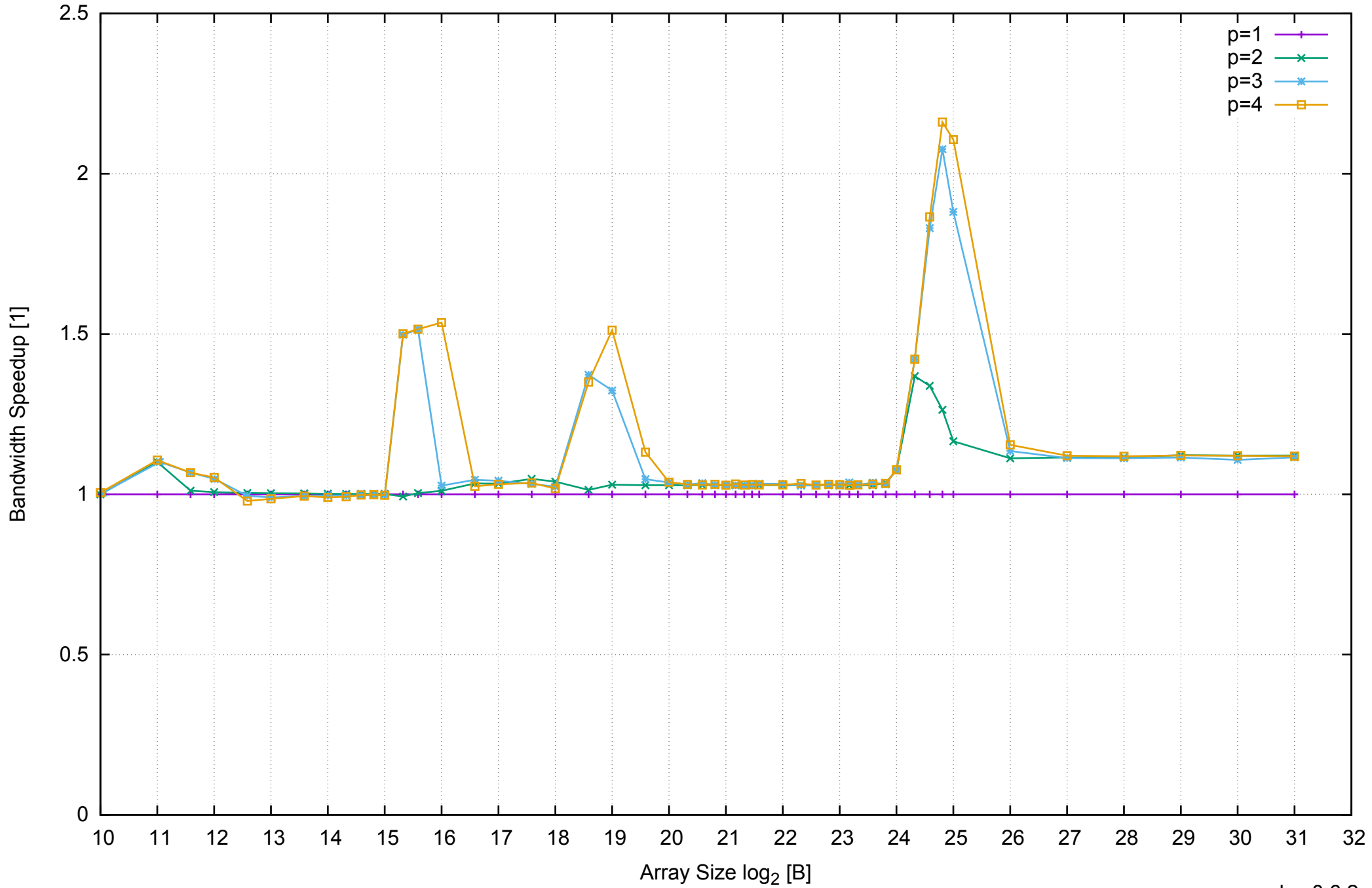
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite256PtrSimpleLoop

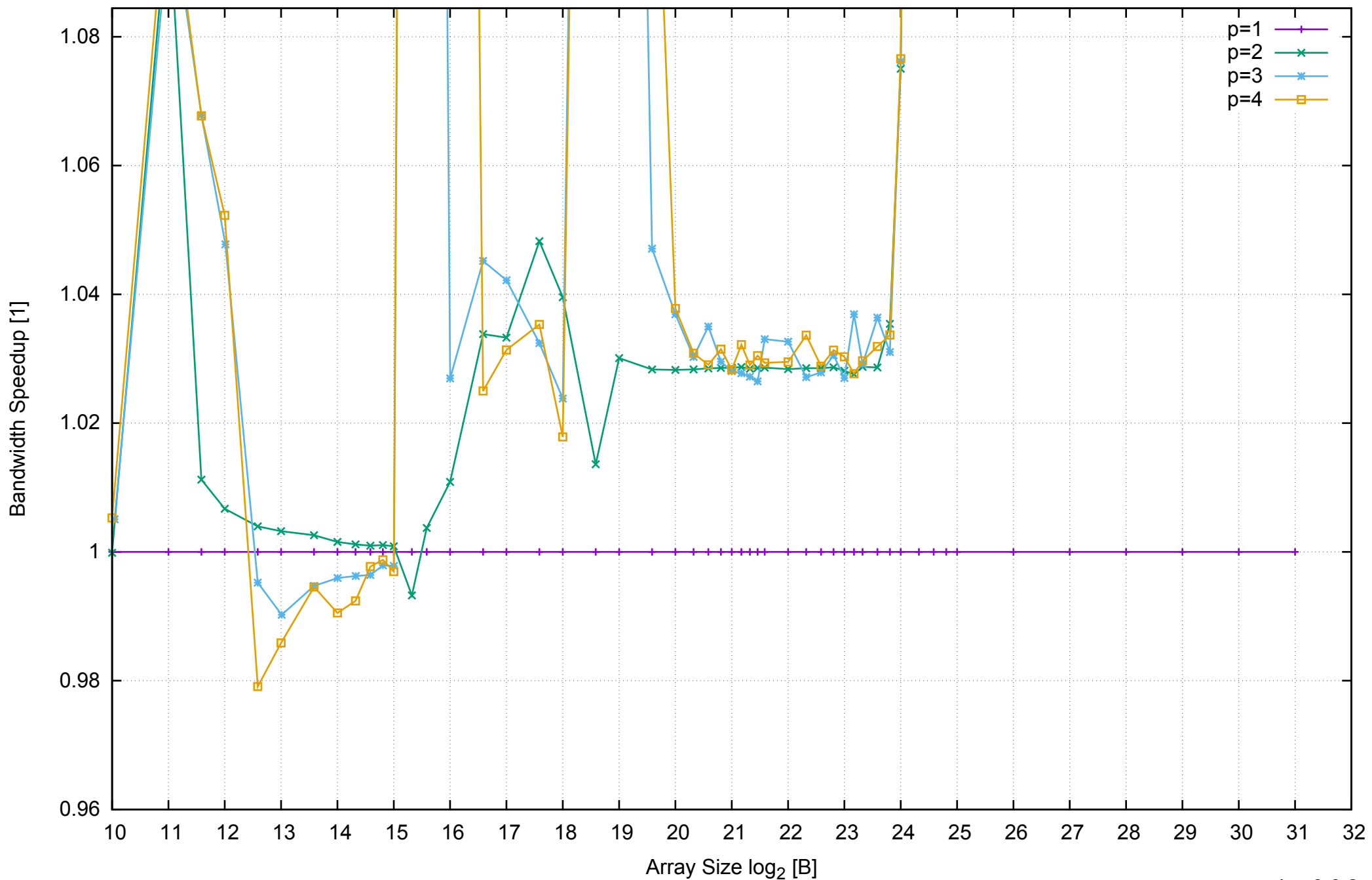


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite256PtrSimpleLoop



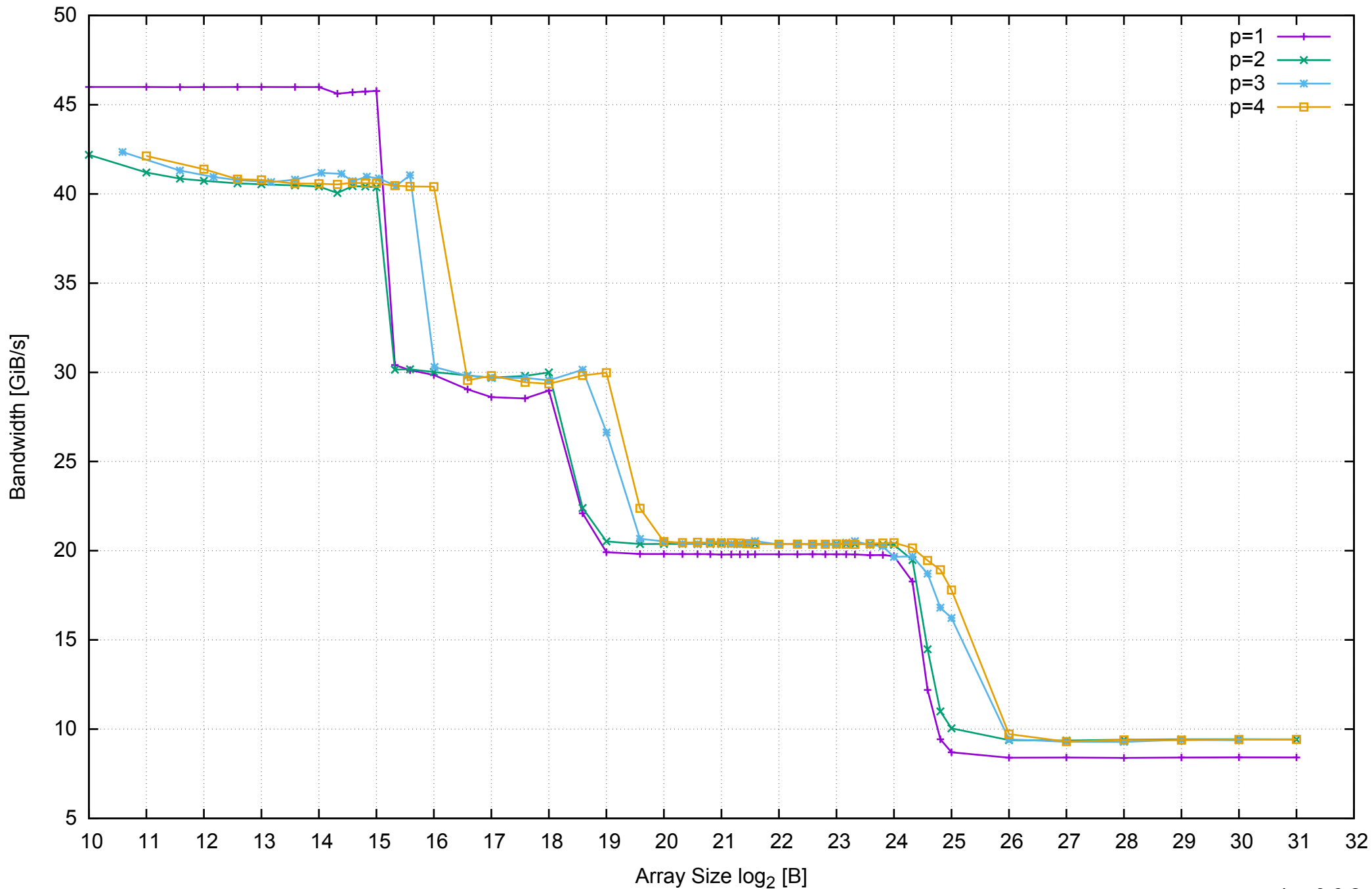
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite256PtrSimpleLoop



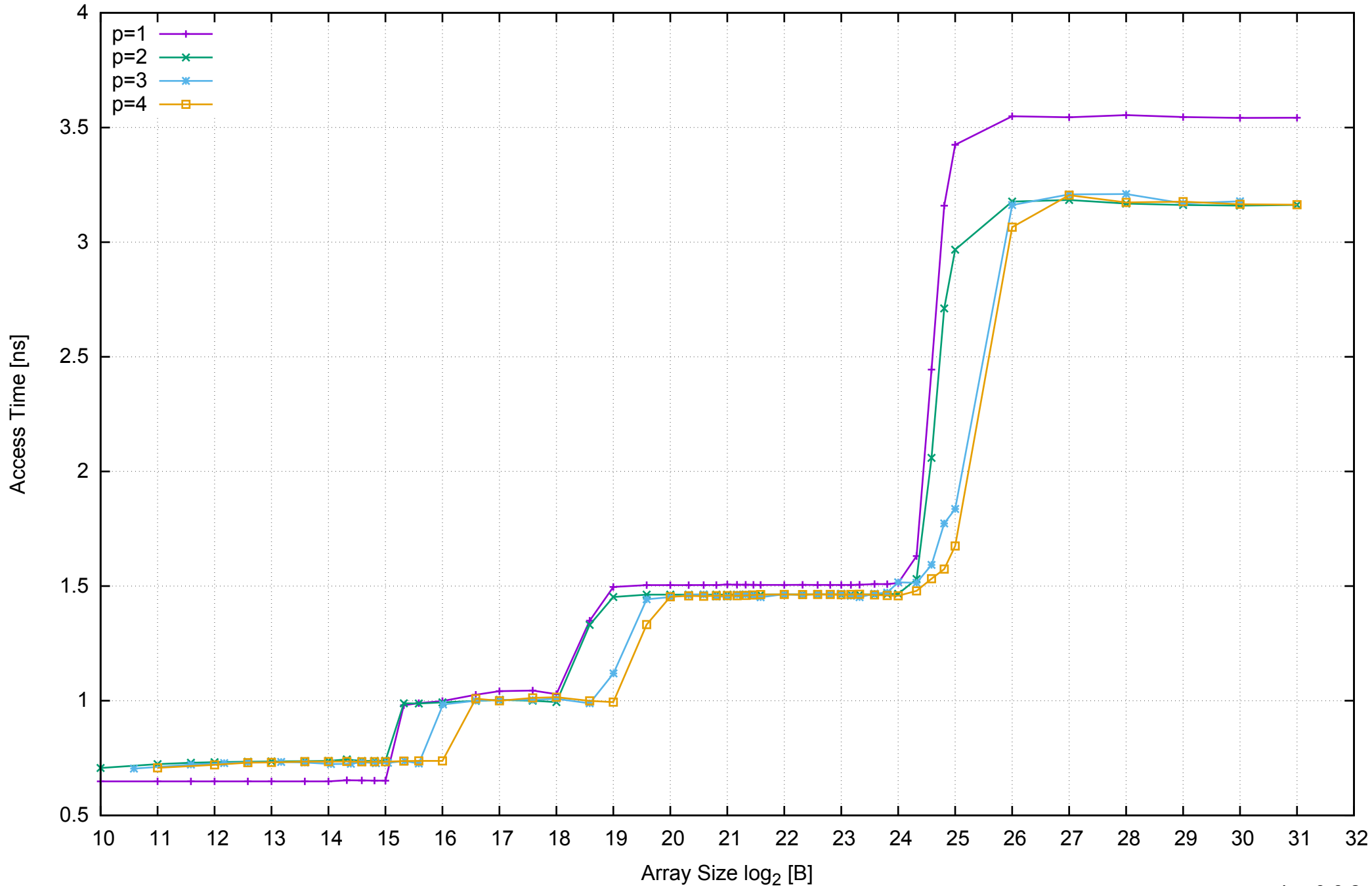




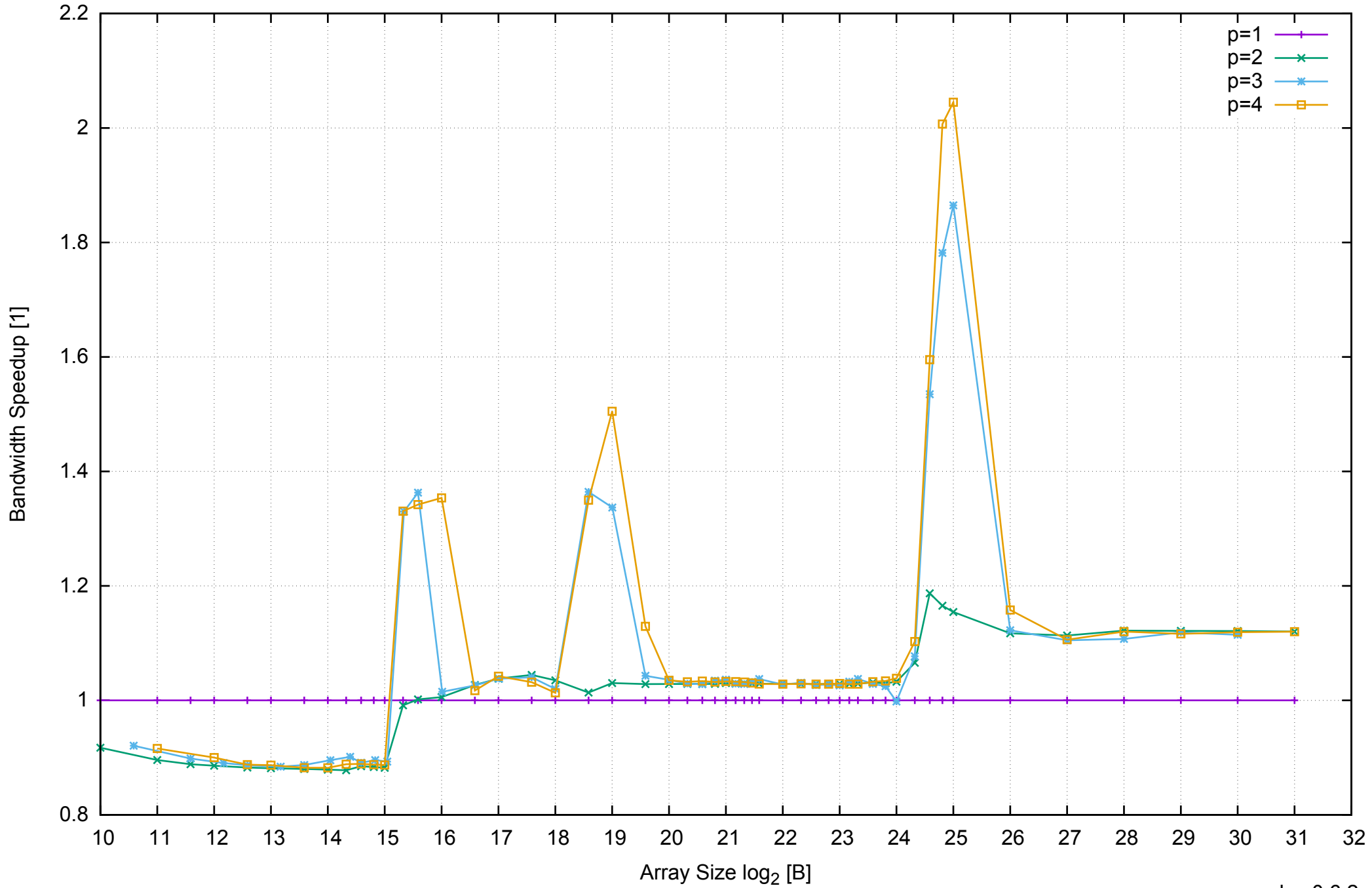
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite256PtrUnrollLoop

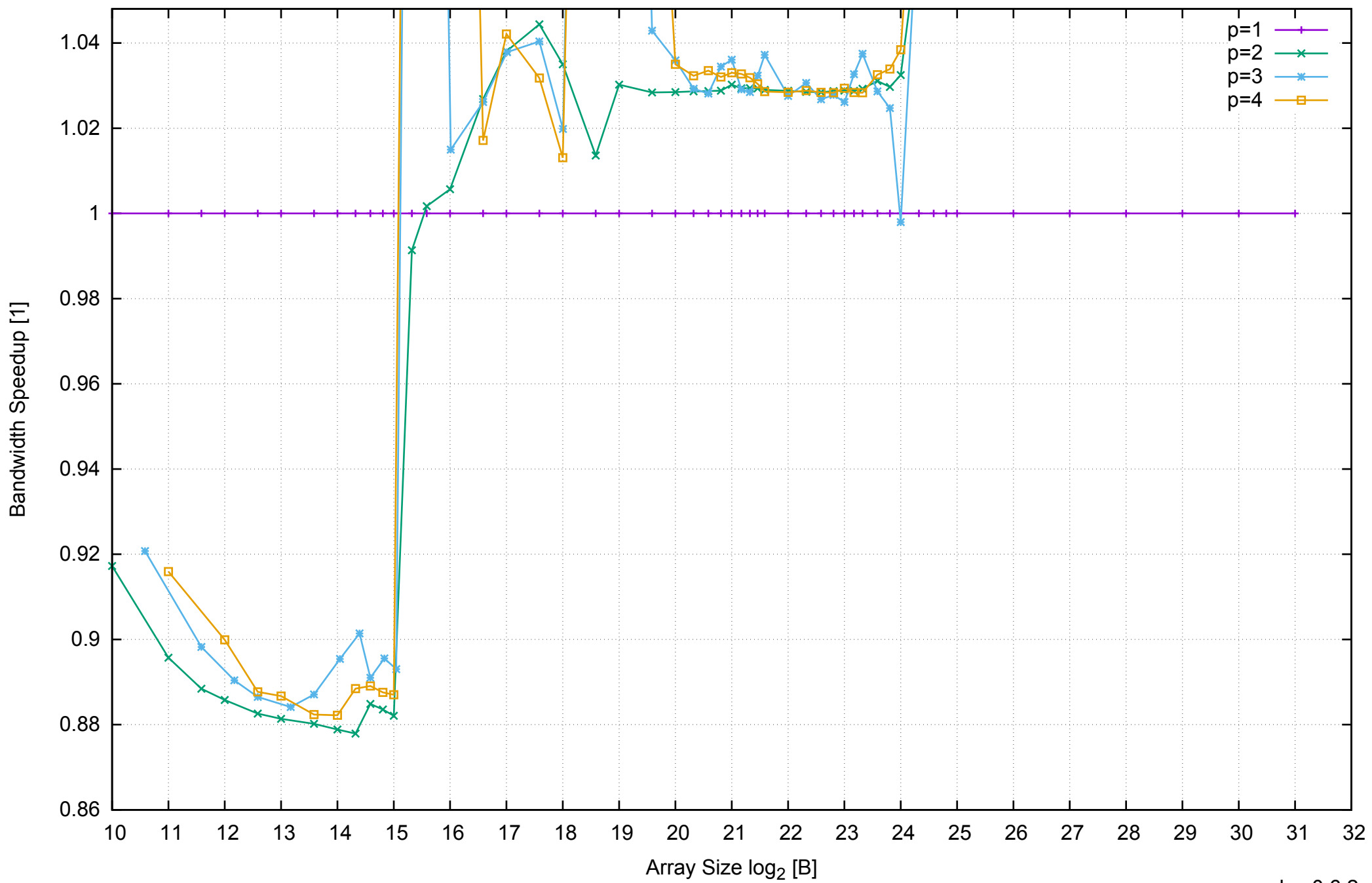


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite256PtrUnrollLoop

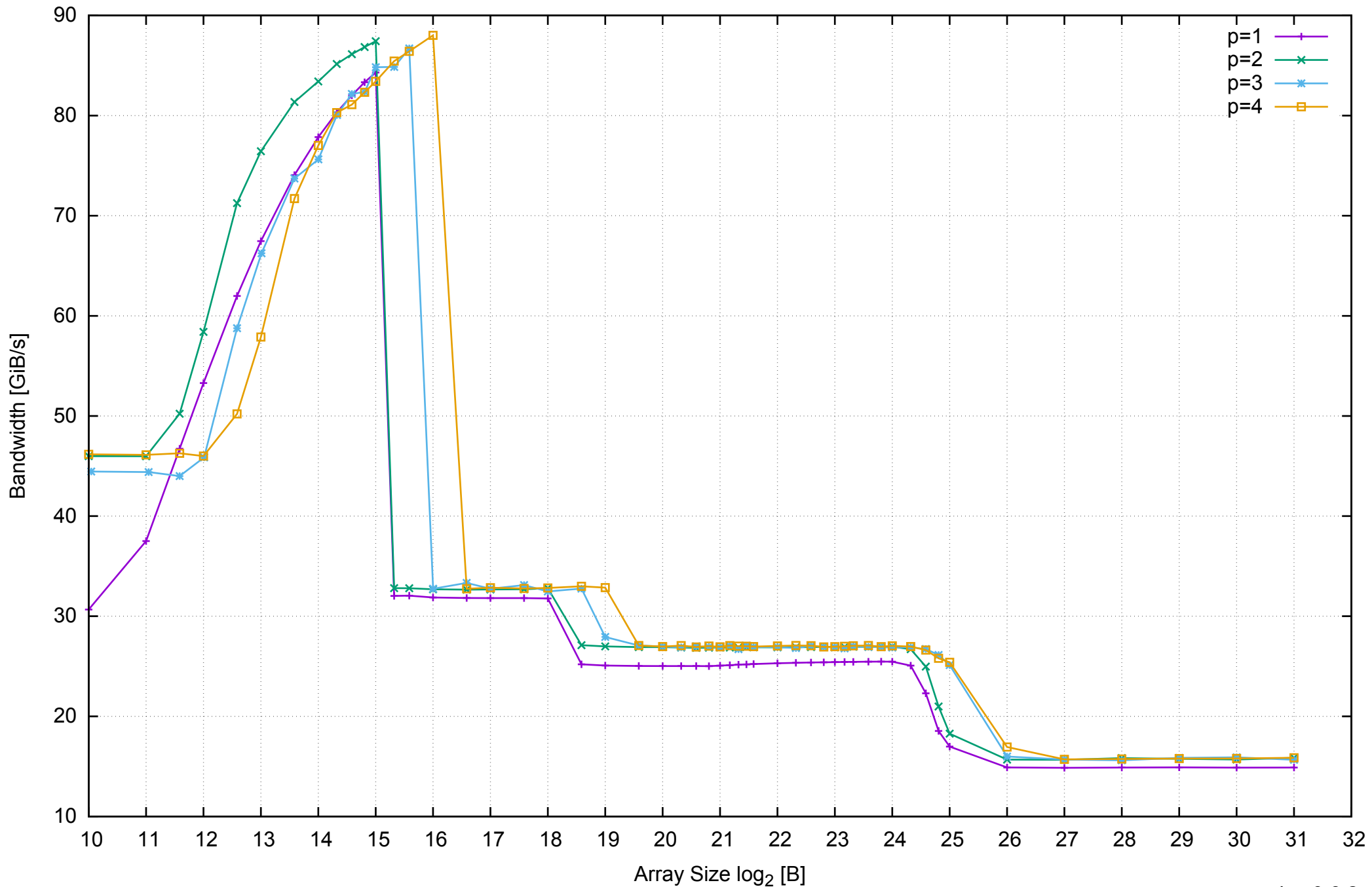


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite256PtrUnrollLoop

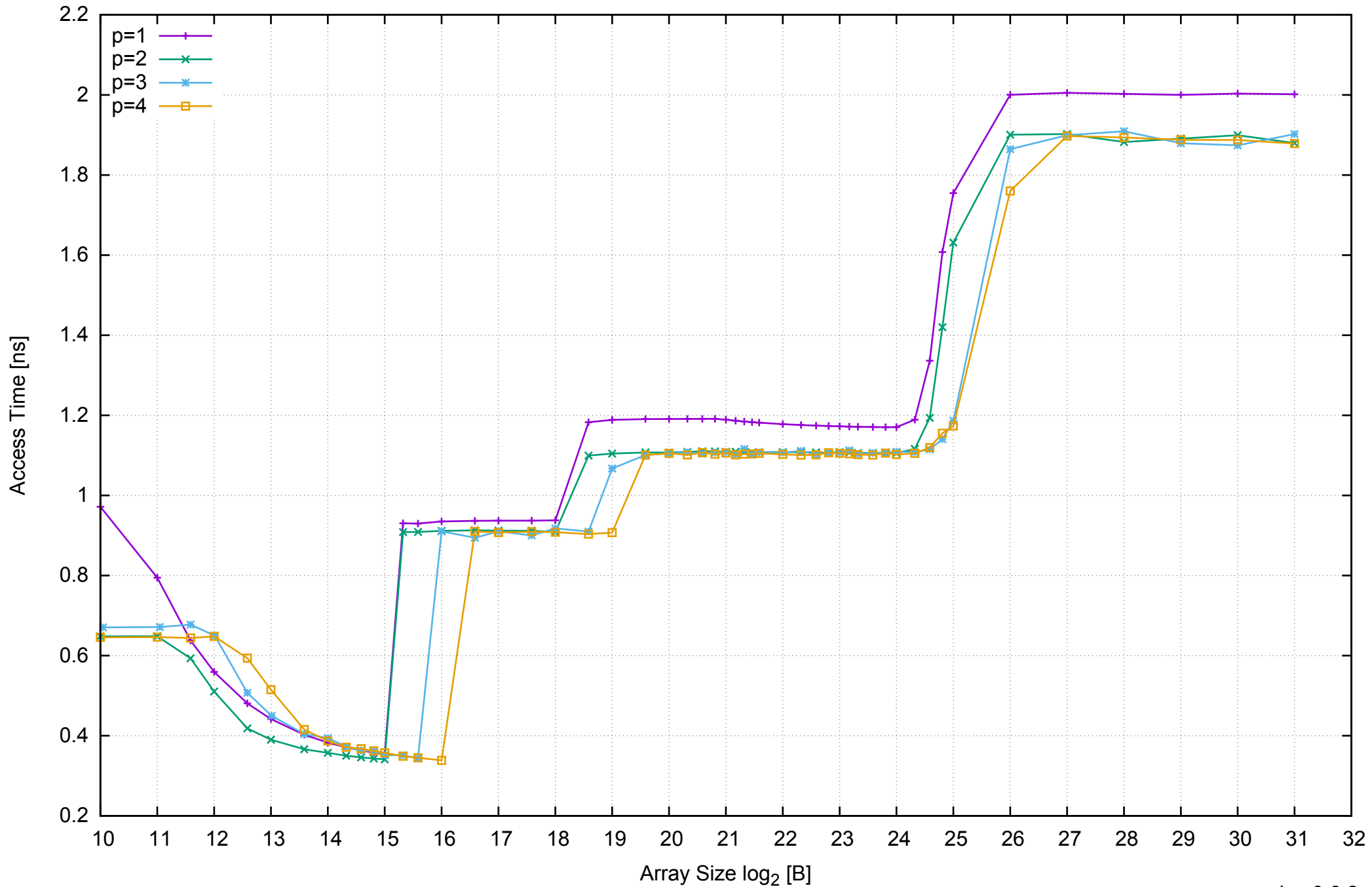




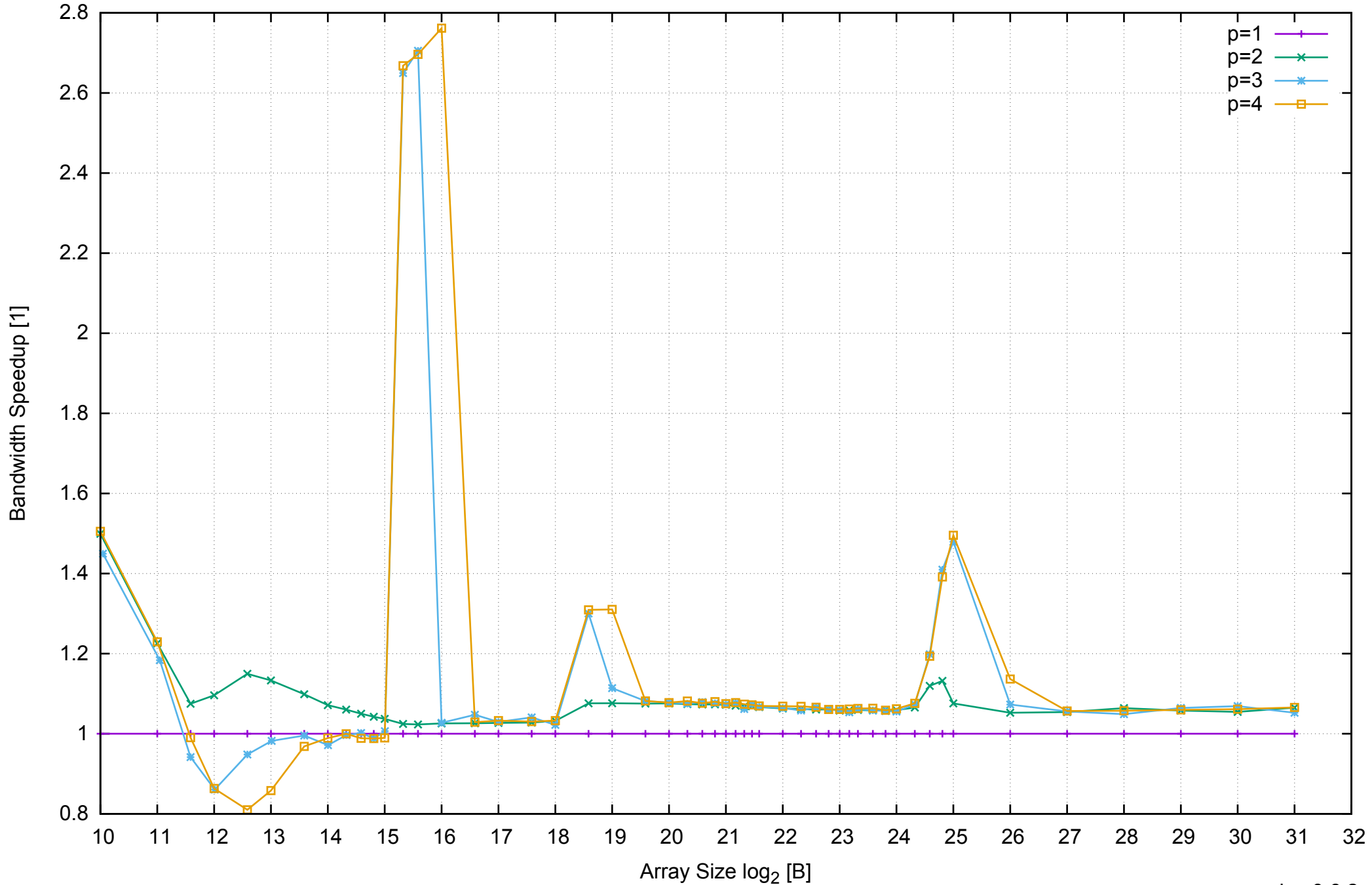
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead256PtrSimpleLoop



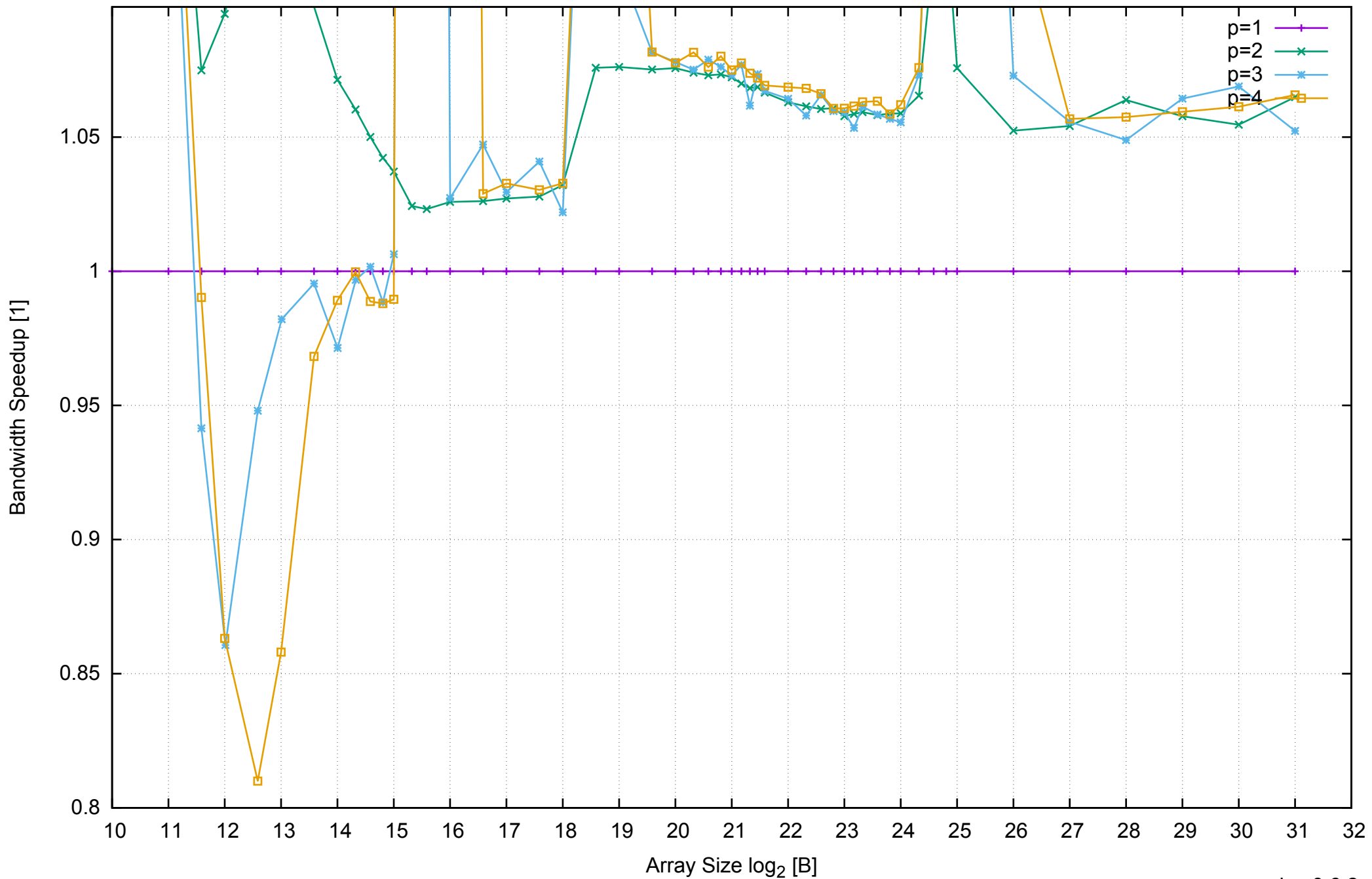
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead256PtrSimpleLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanRead256PtrSimpleLoop

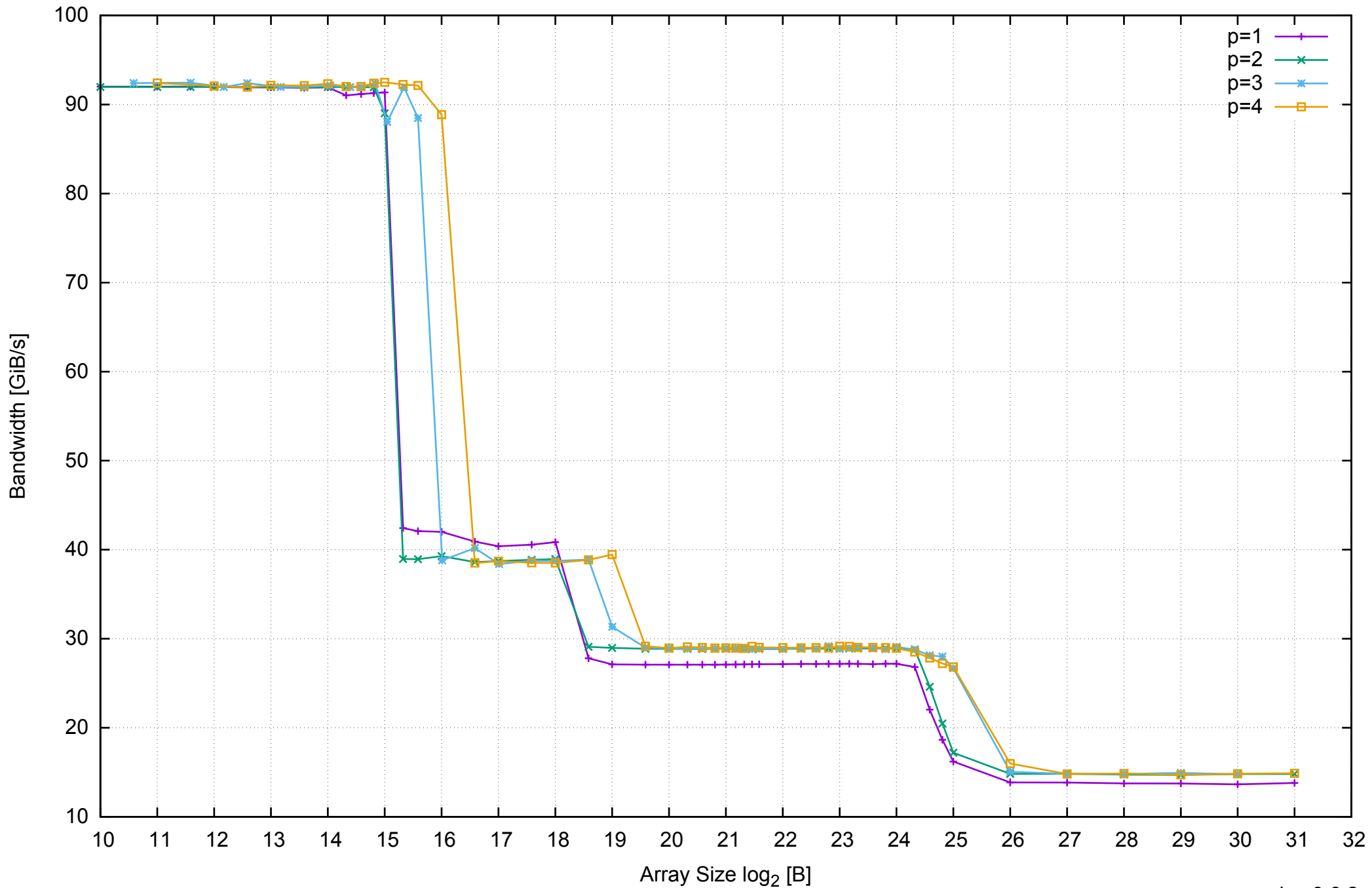


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead256PtrSimpleLoop

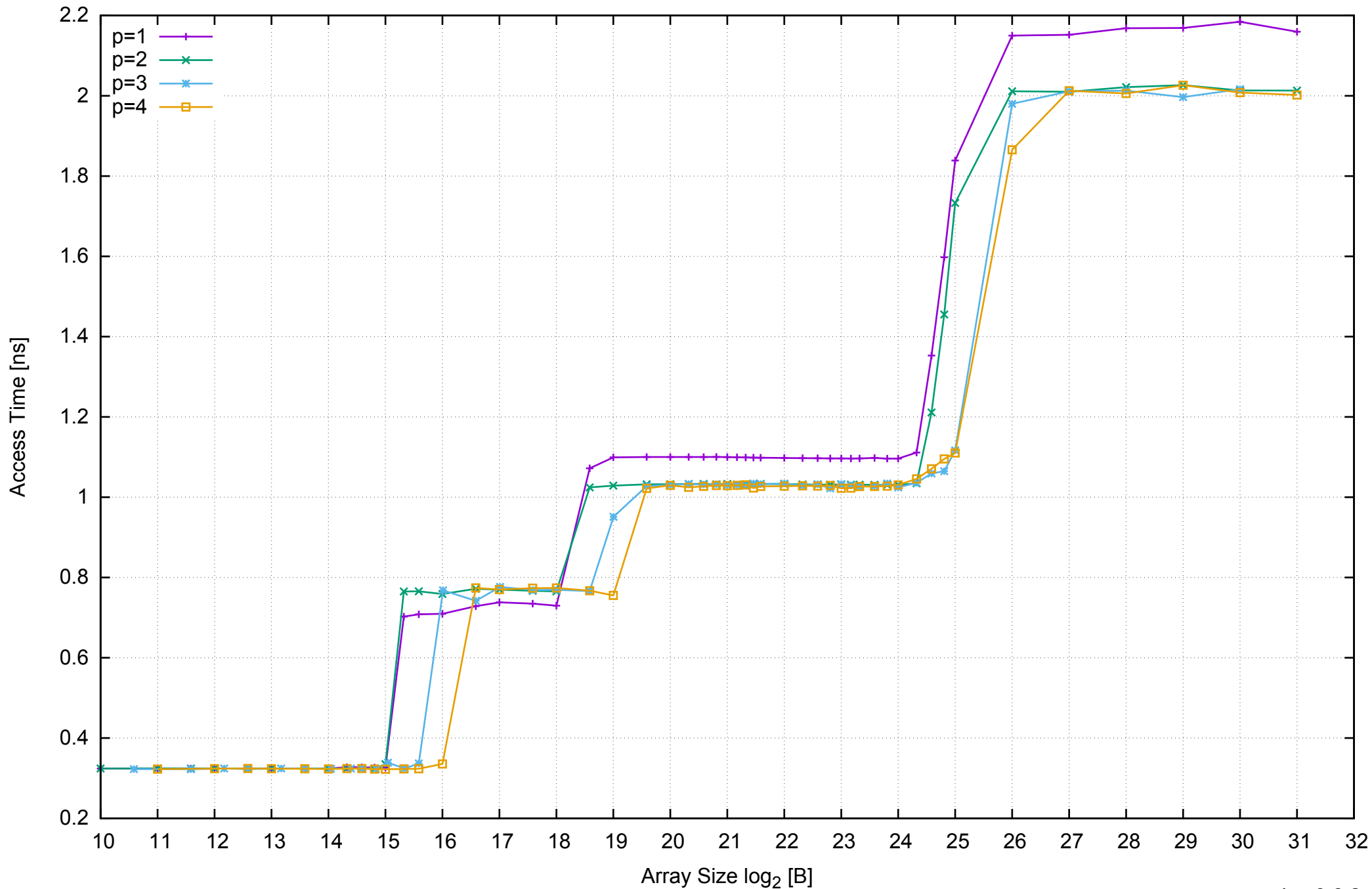




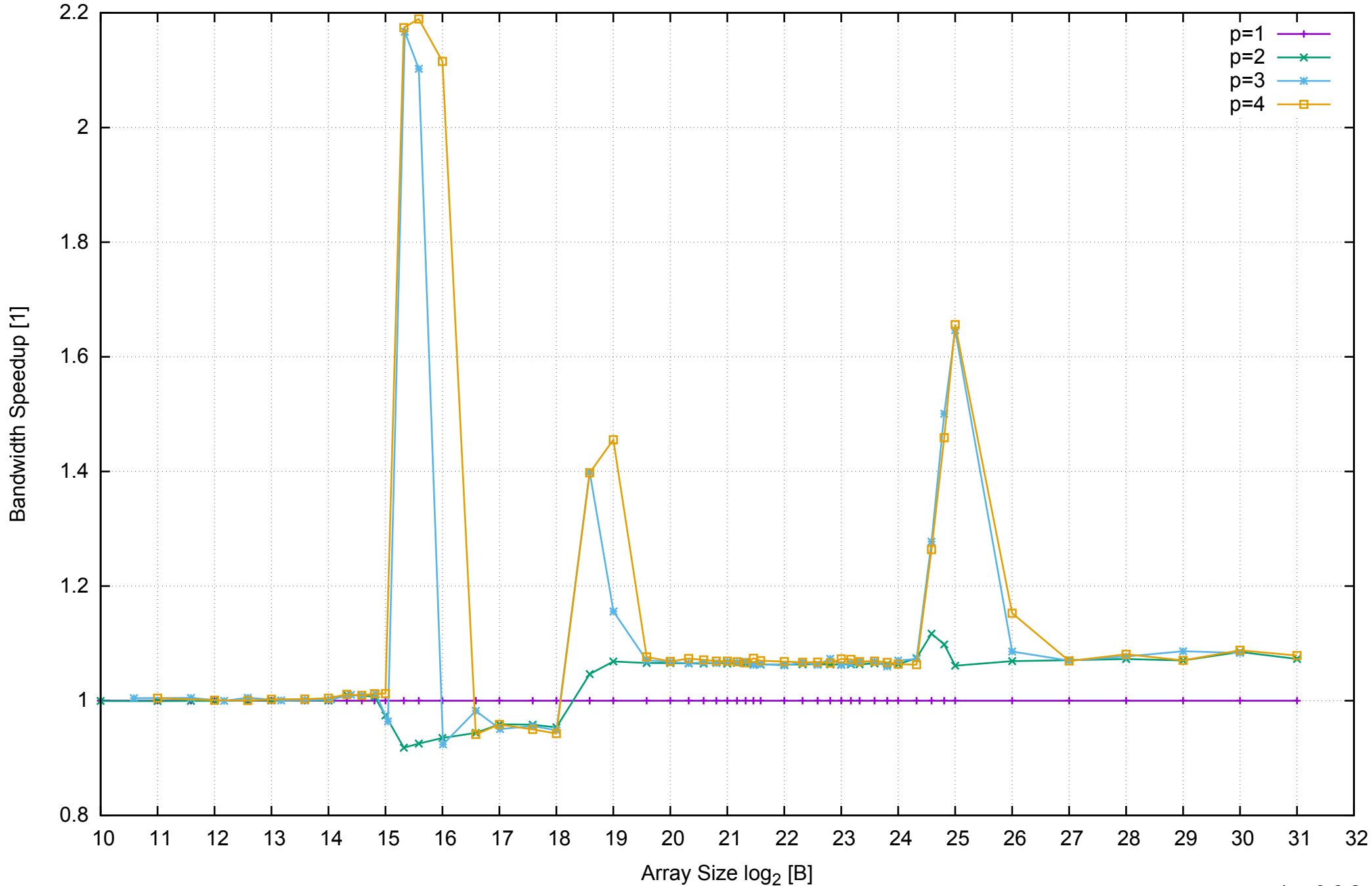
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead256PtrUnrollLoop



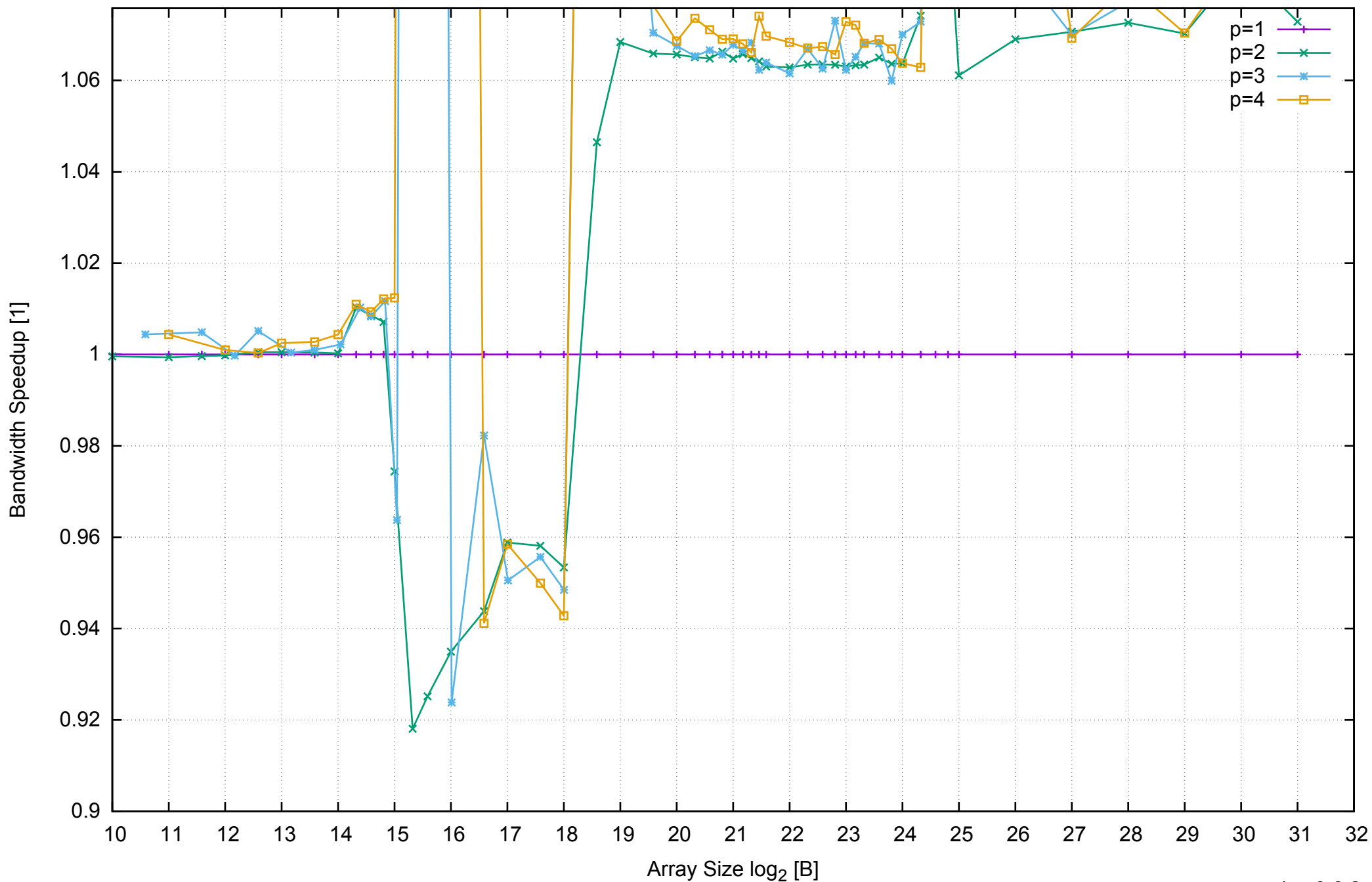
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead256PtrUnrollLoop



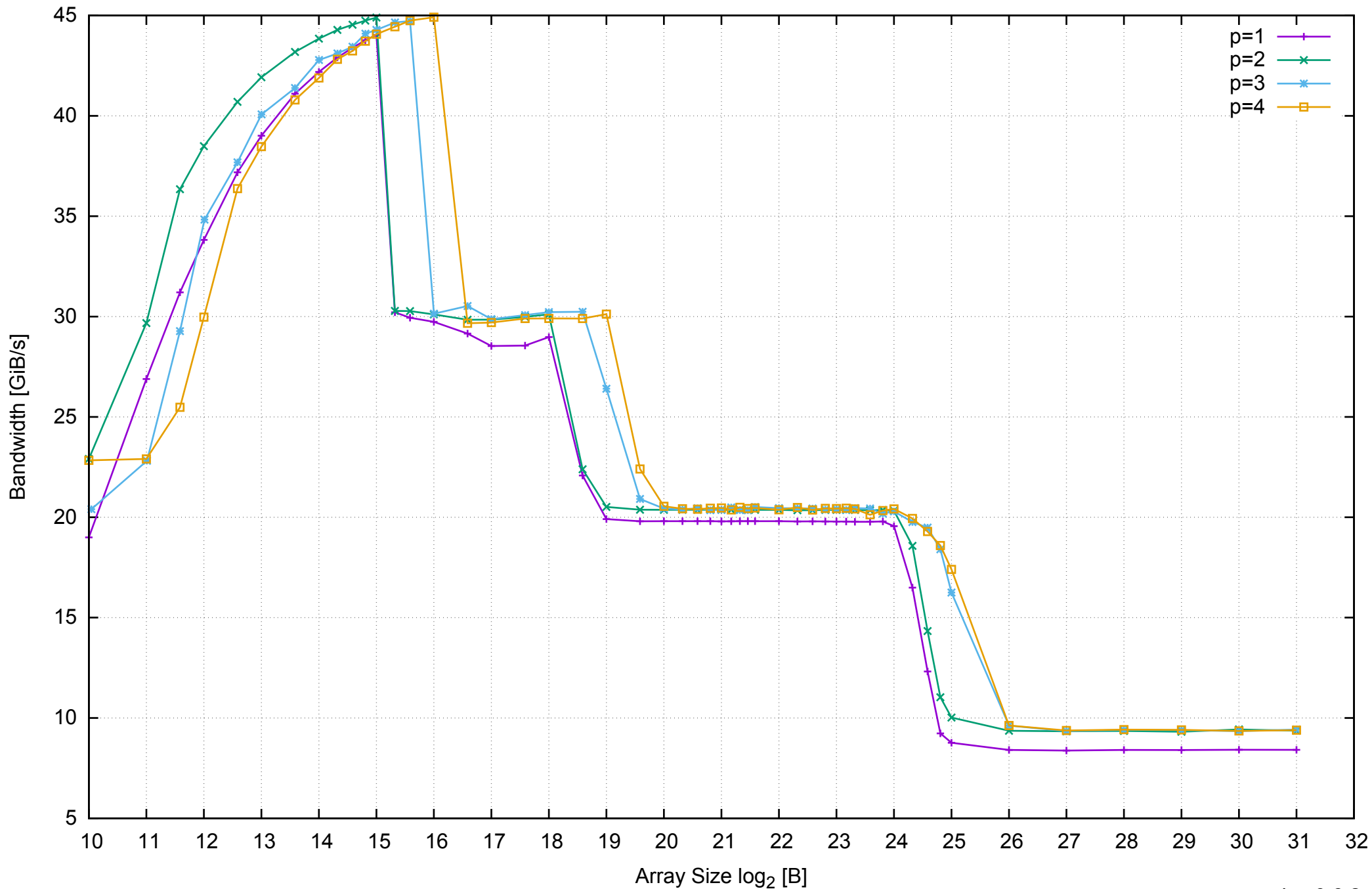
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanRead256PtrUnrollLoop



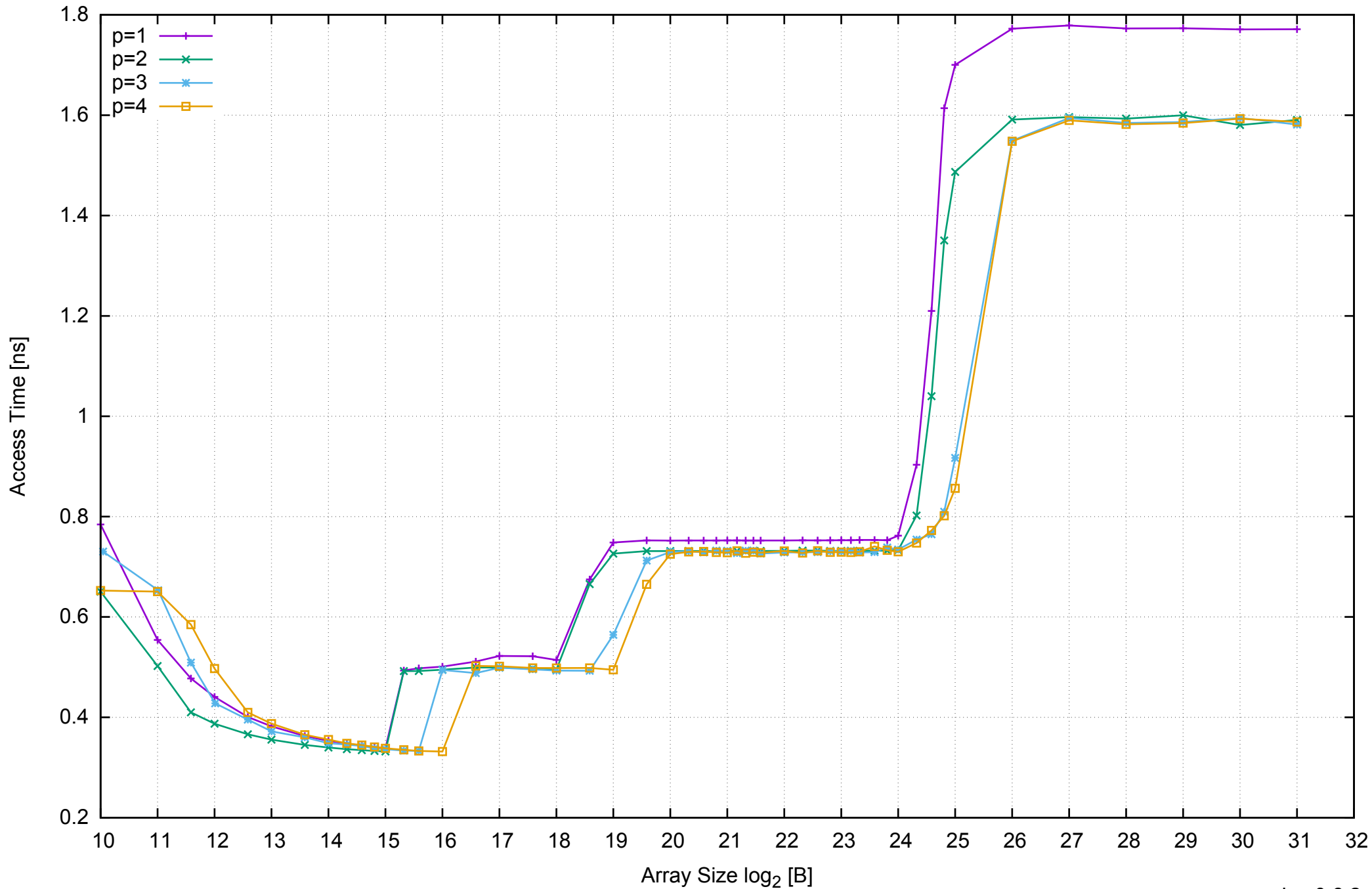
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead256PtrUnrollLoop



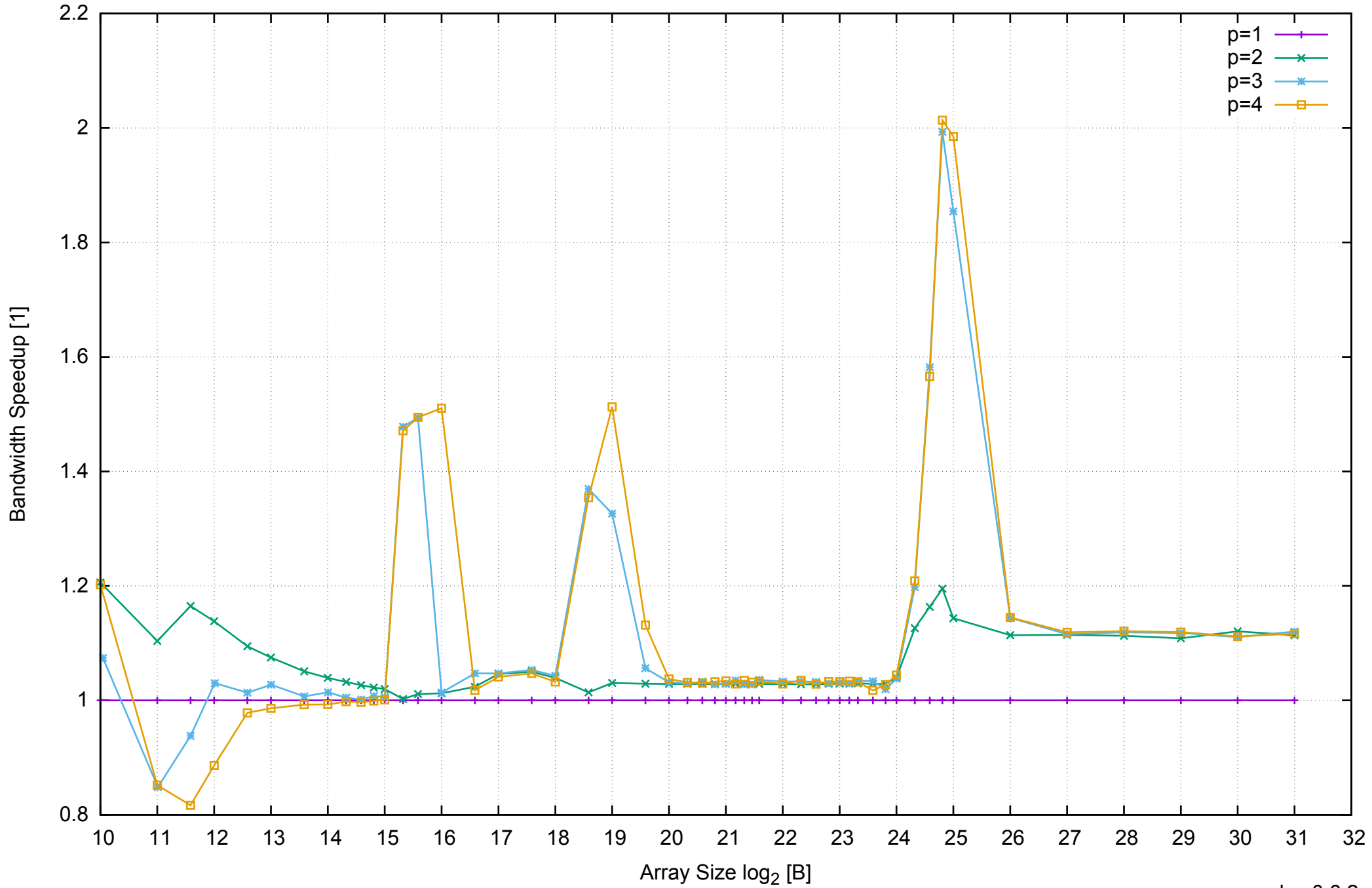
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite128PtrSimpleLoop



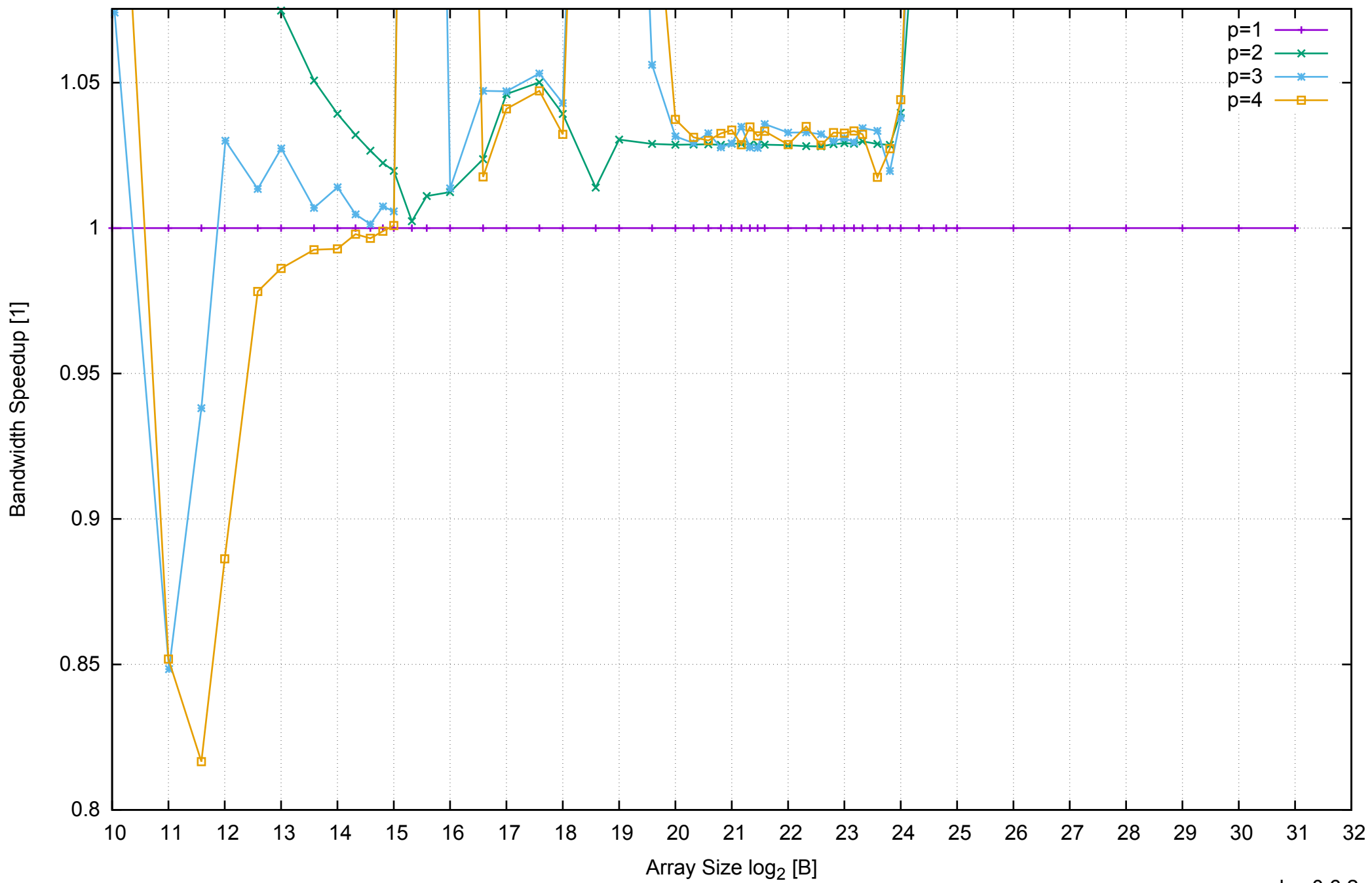
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite128PtrSimpleLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite128PtrSimpleLoop

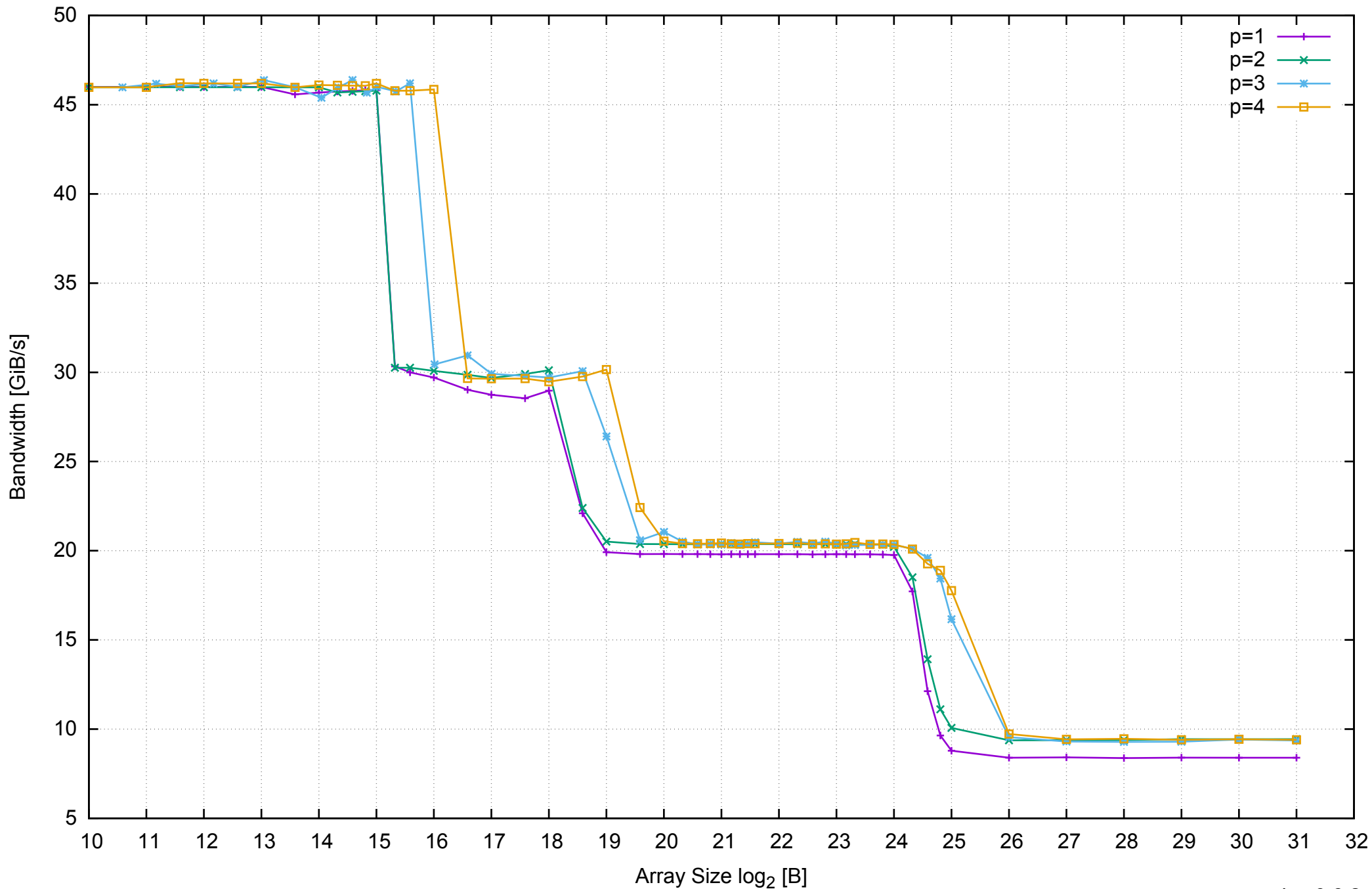


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128PtrSimpleLoop

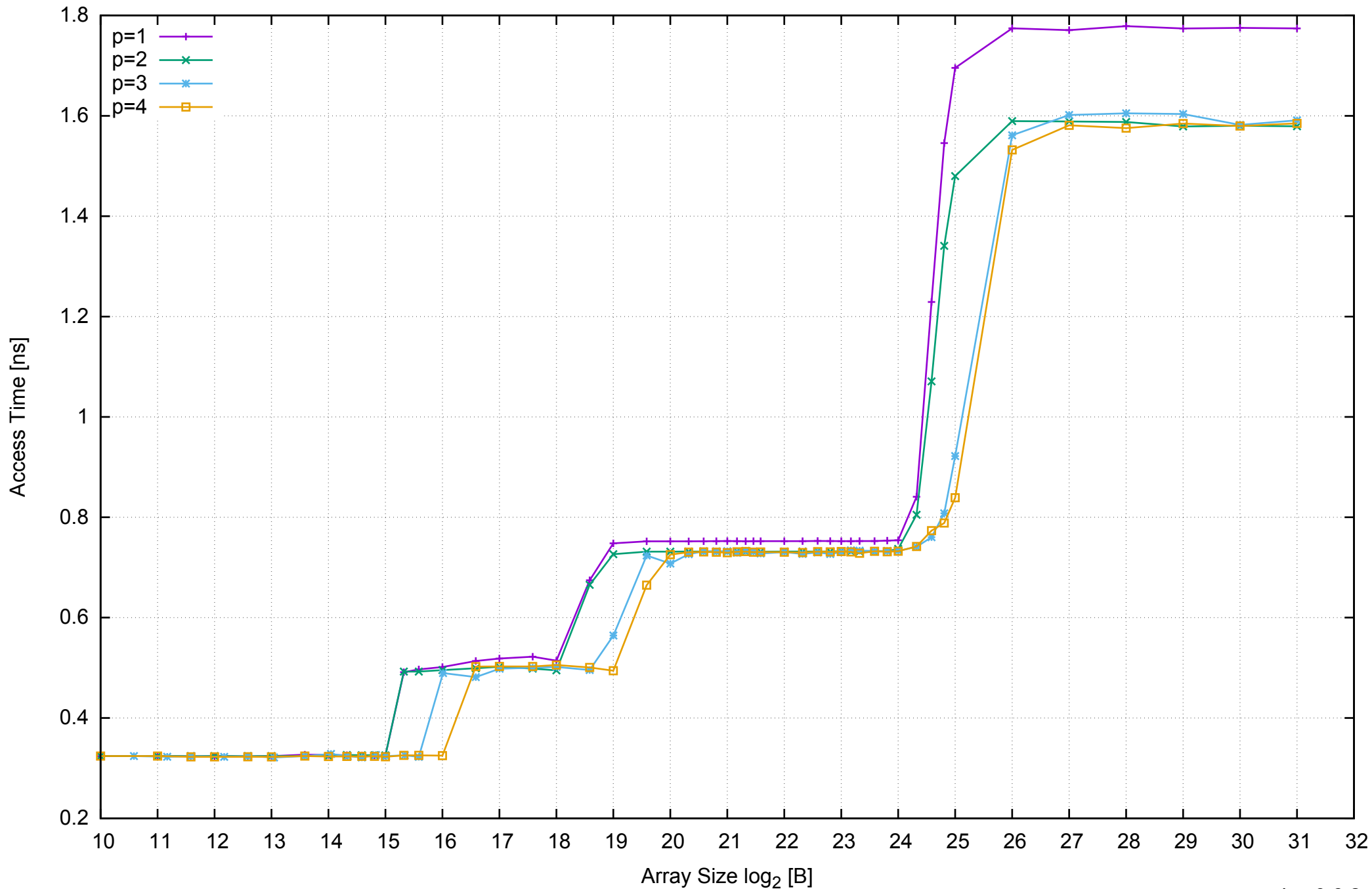




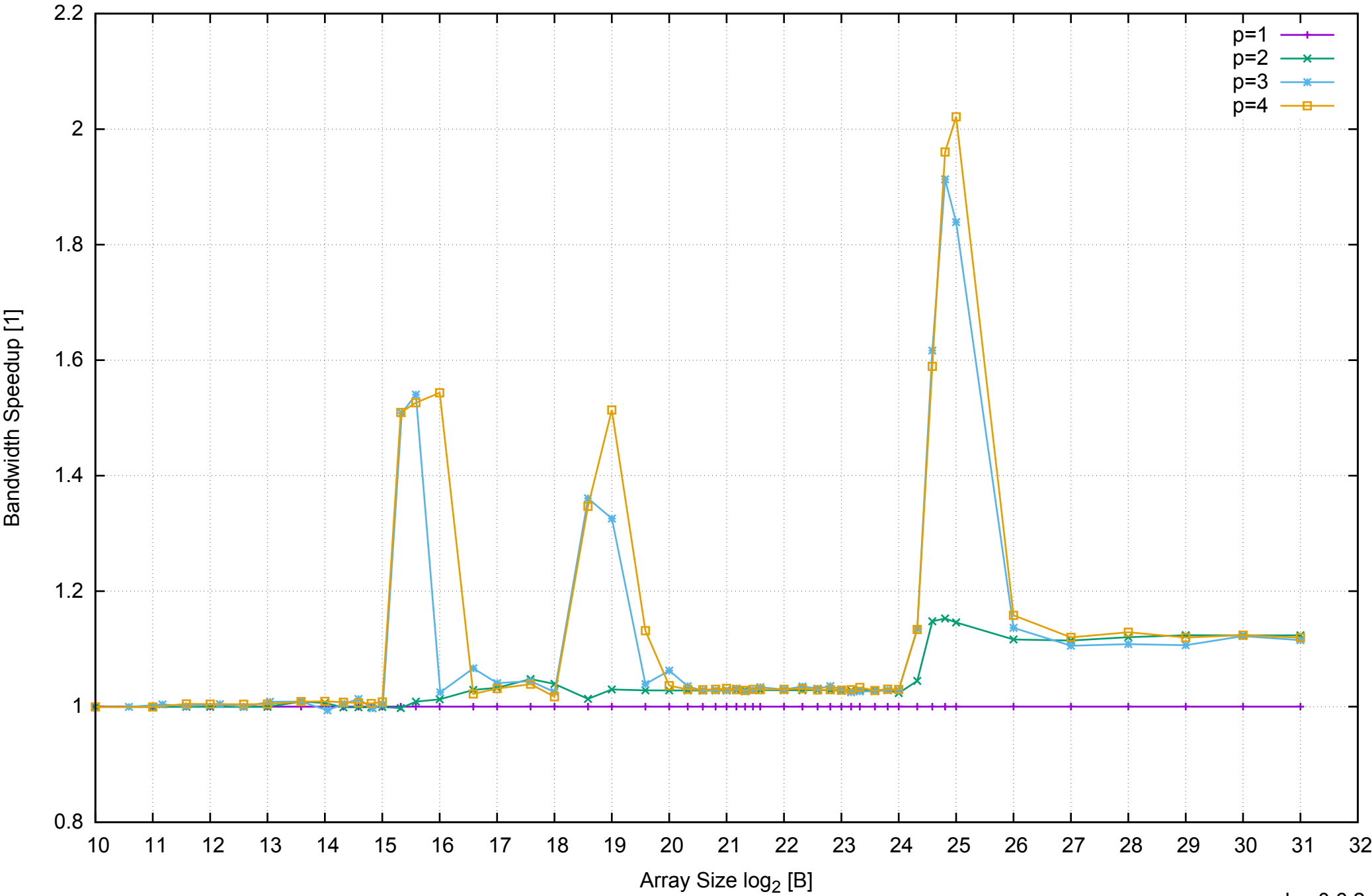
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite128PtrUnrollLoop



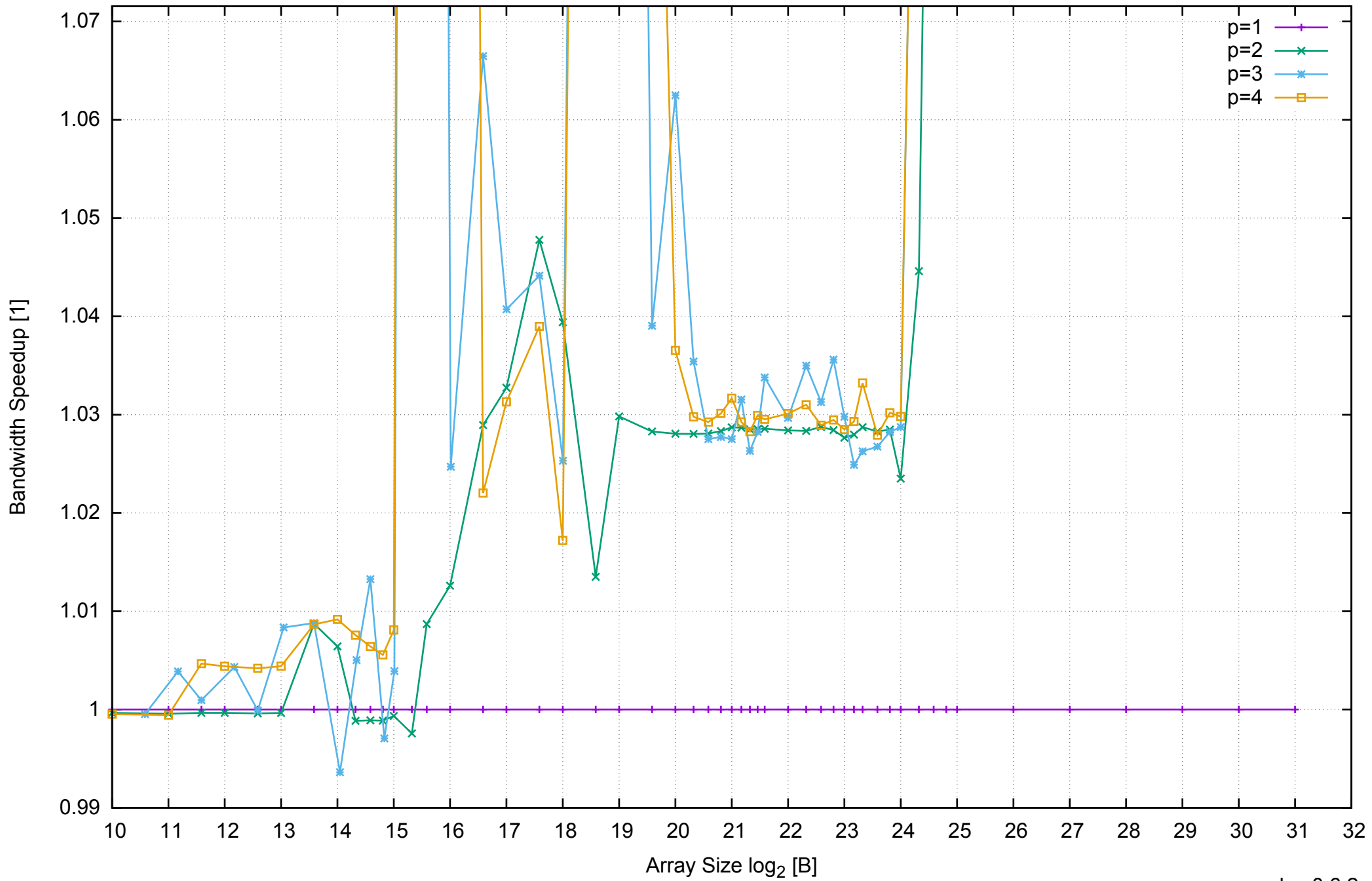
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite128PtrUnrollLoop



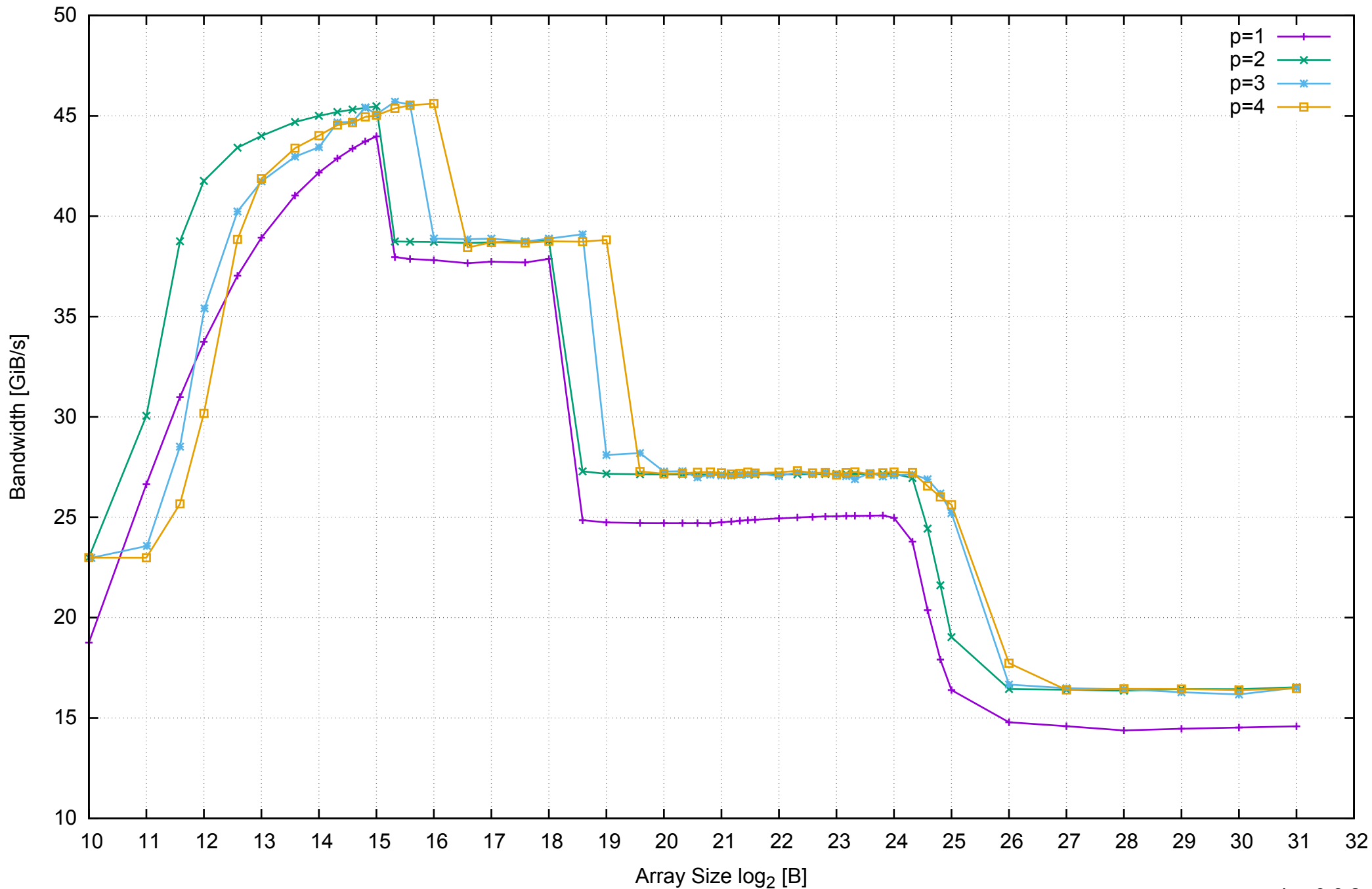
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite128PtrUnrollLoop



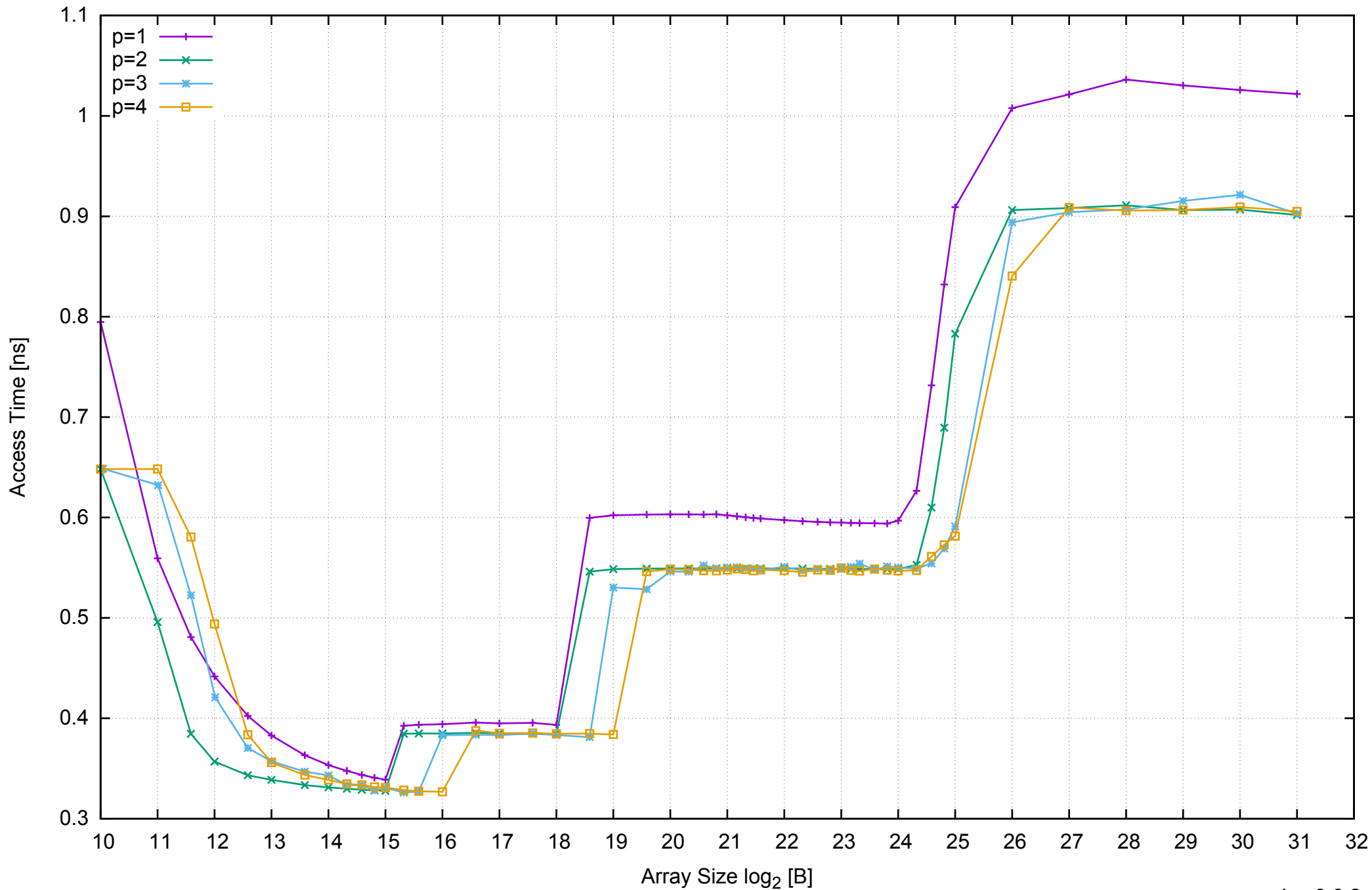
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128PtrUnrollLoop



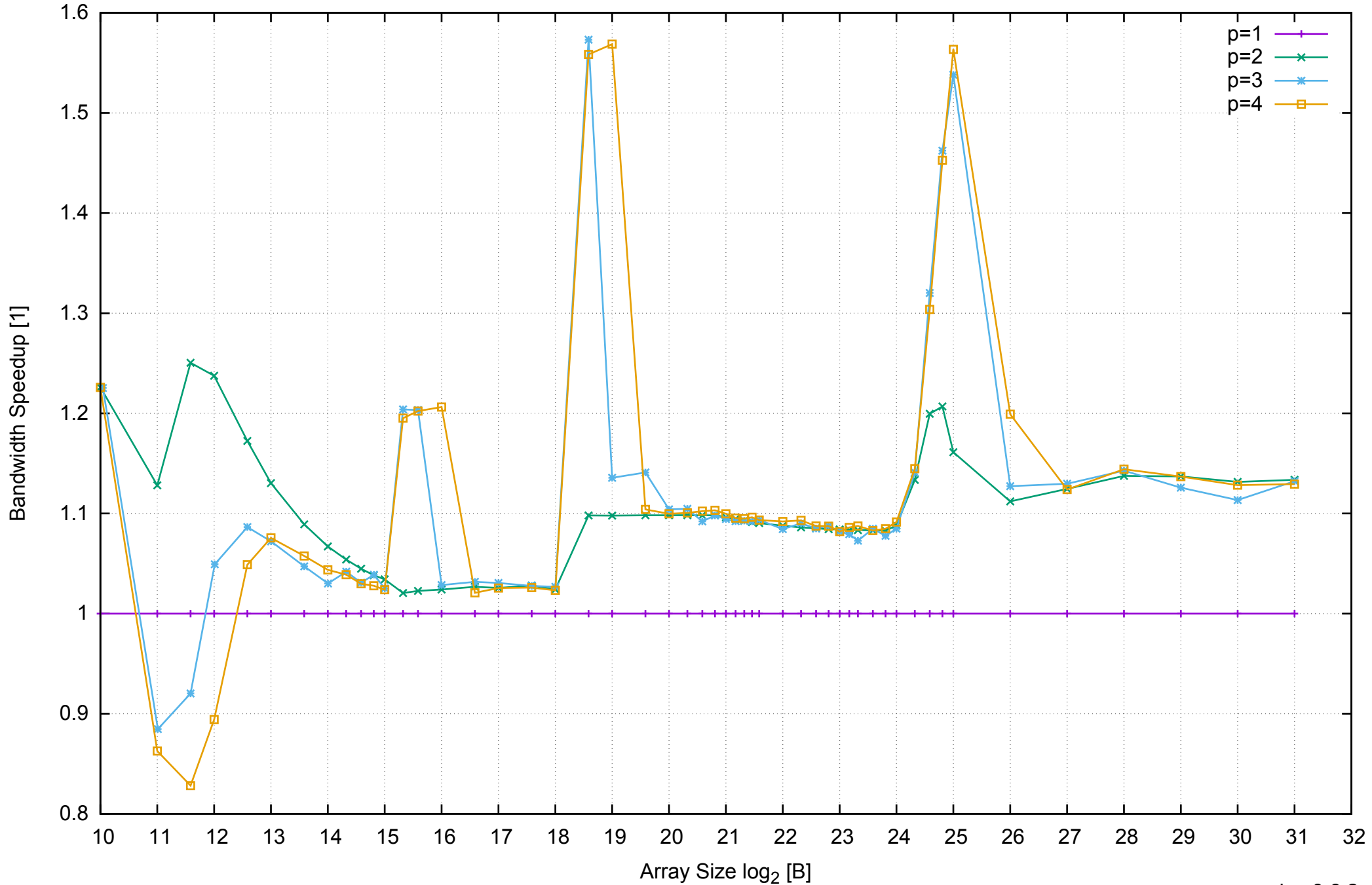
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop



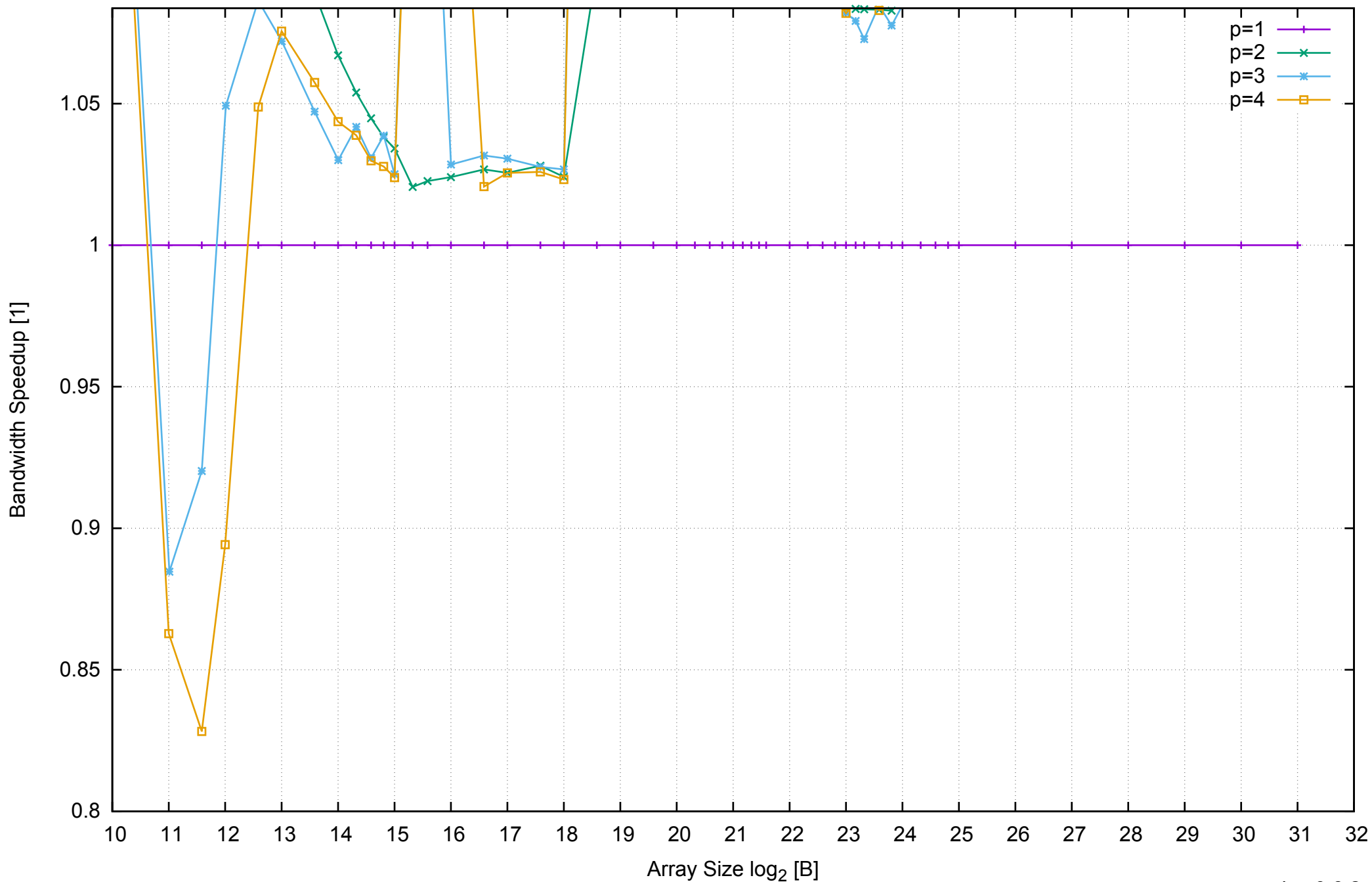
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead128PtrSimpleLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop

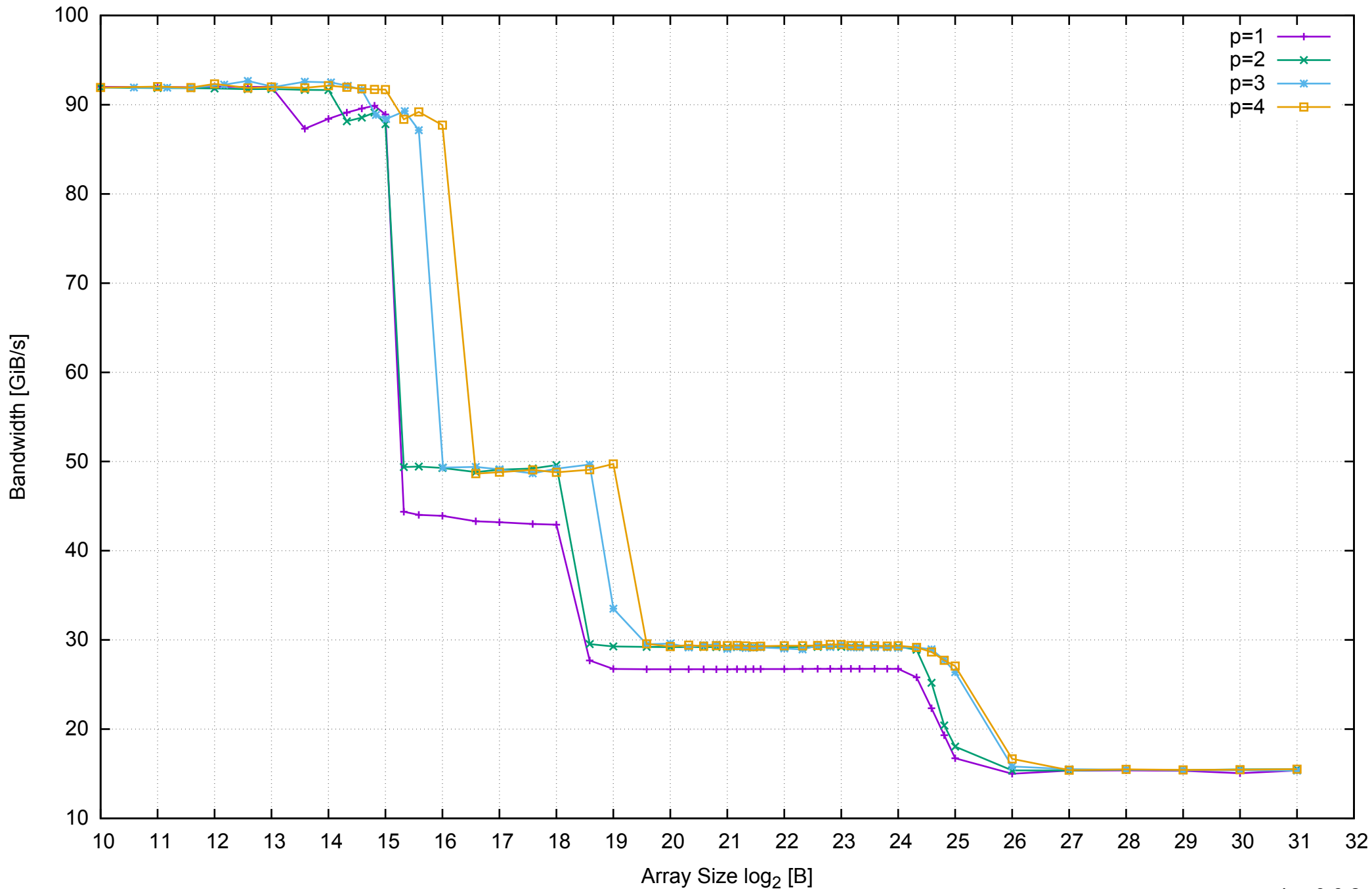


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead128PtrSimpleLoop

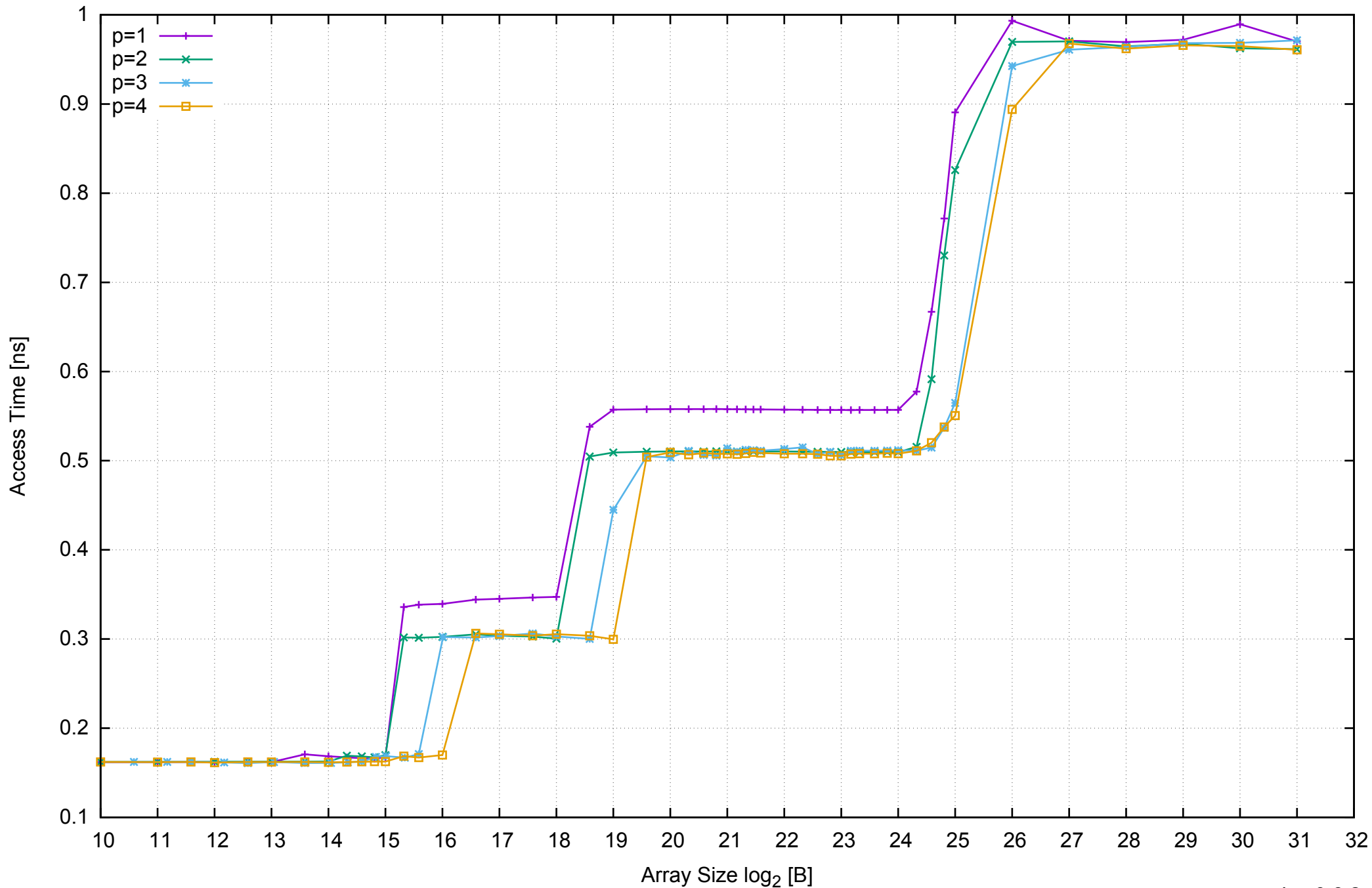




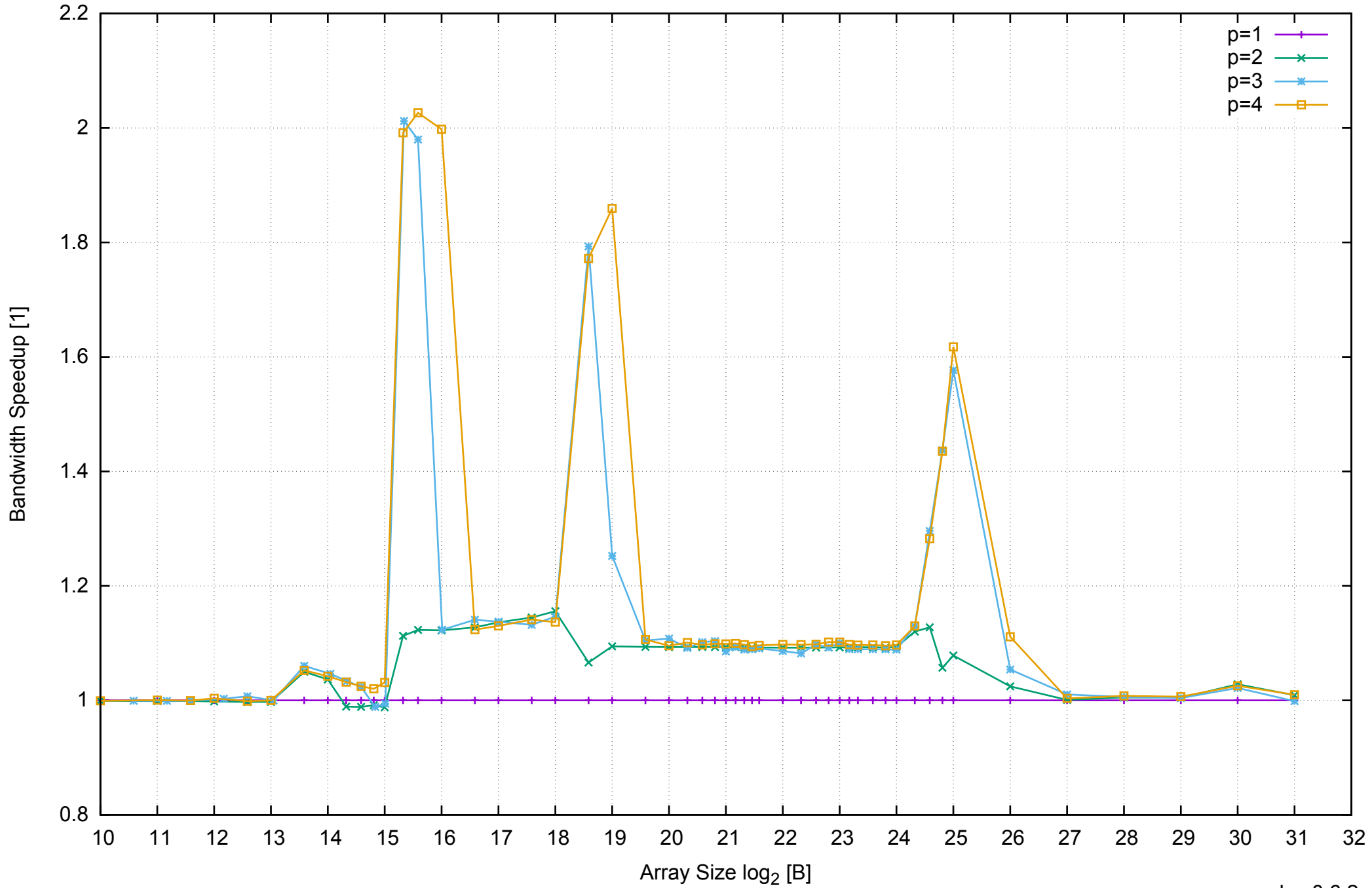
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead128PtrUnrollLoop



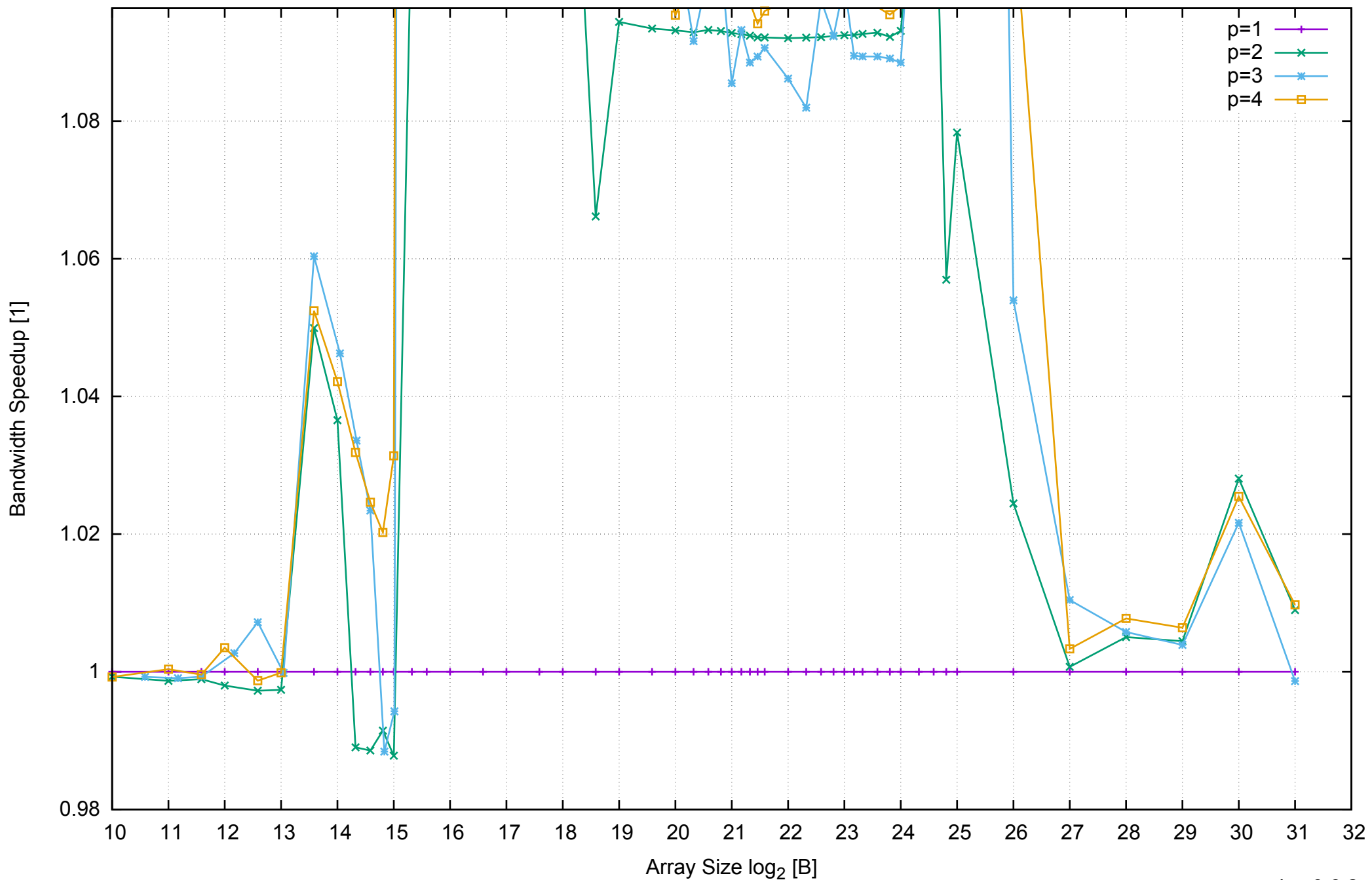
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead128PtrUnrollLoop



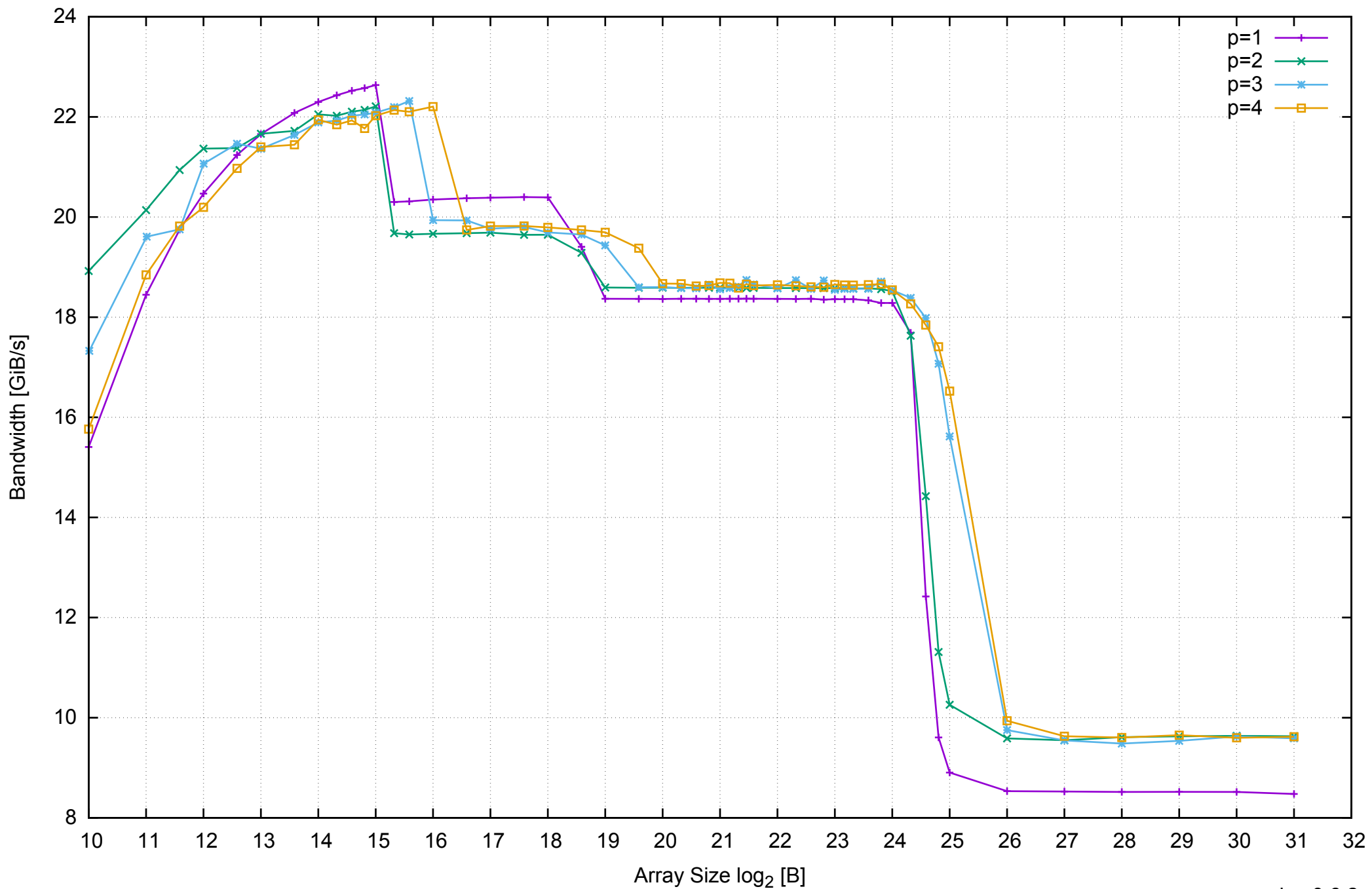
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanRead128PtrUnrollLoop



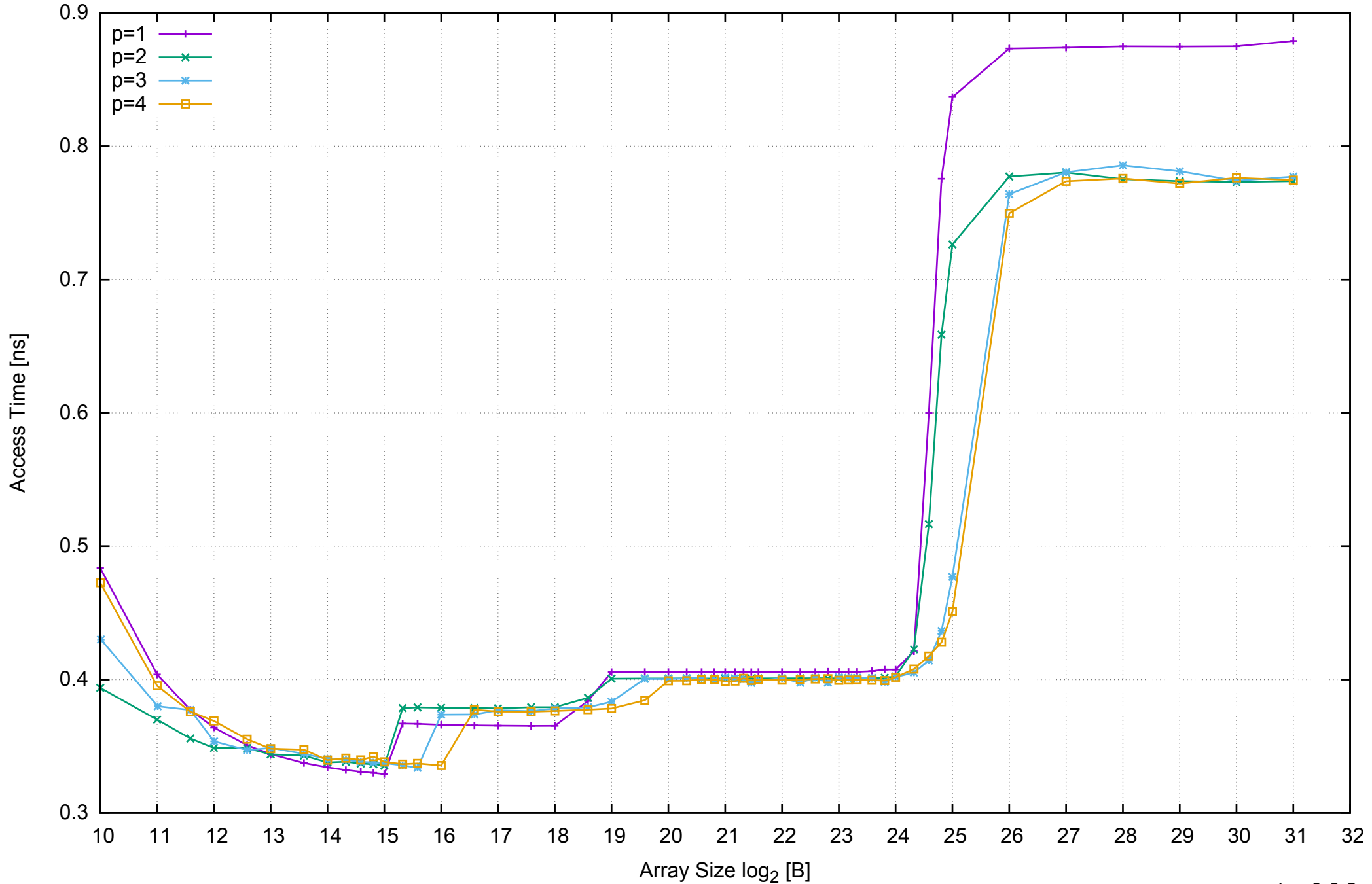
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead128PtrUnrollLoop



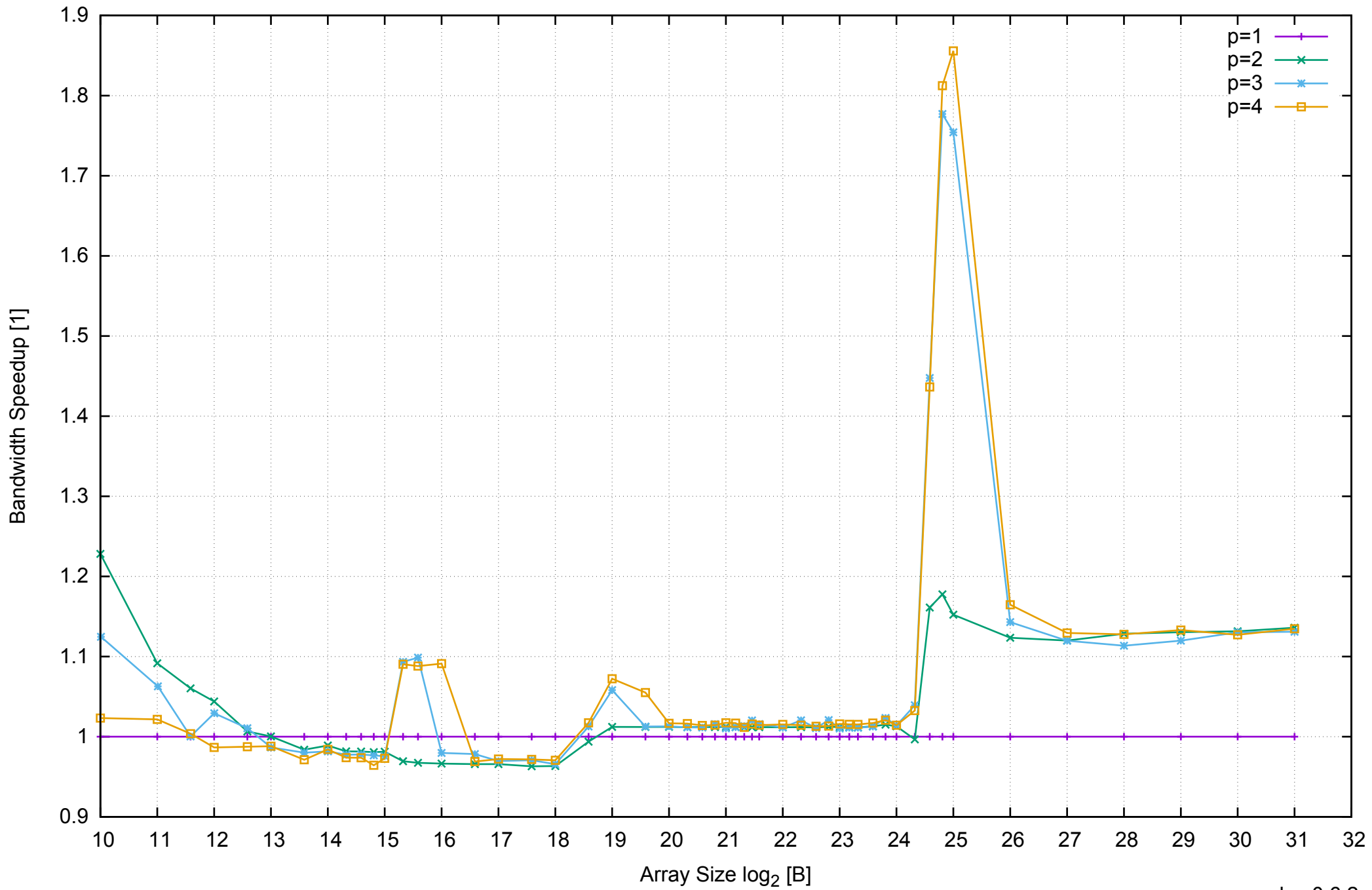
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop



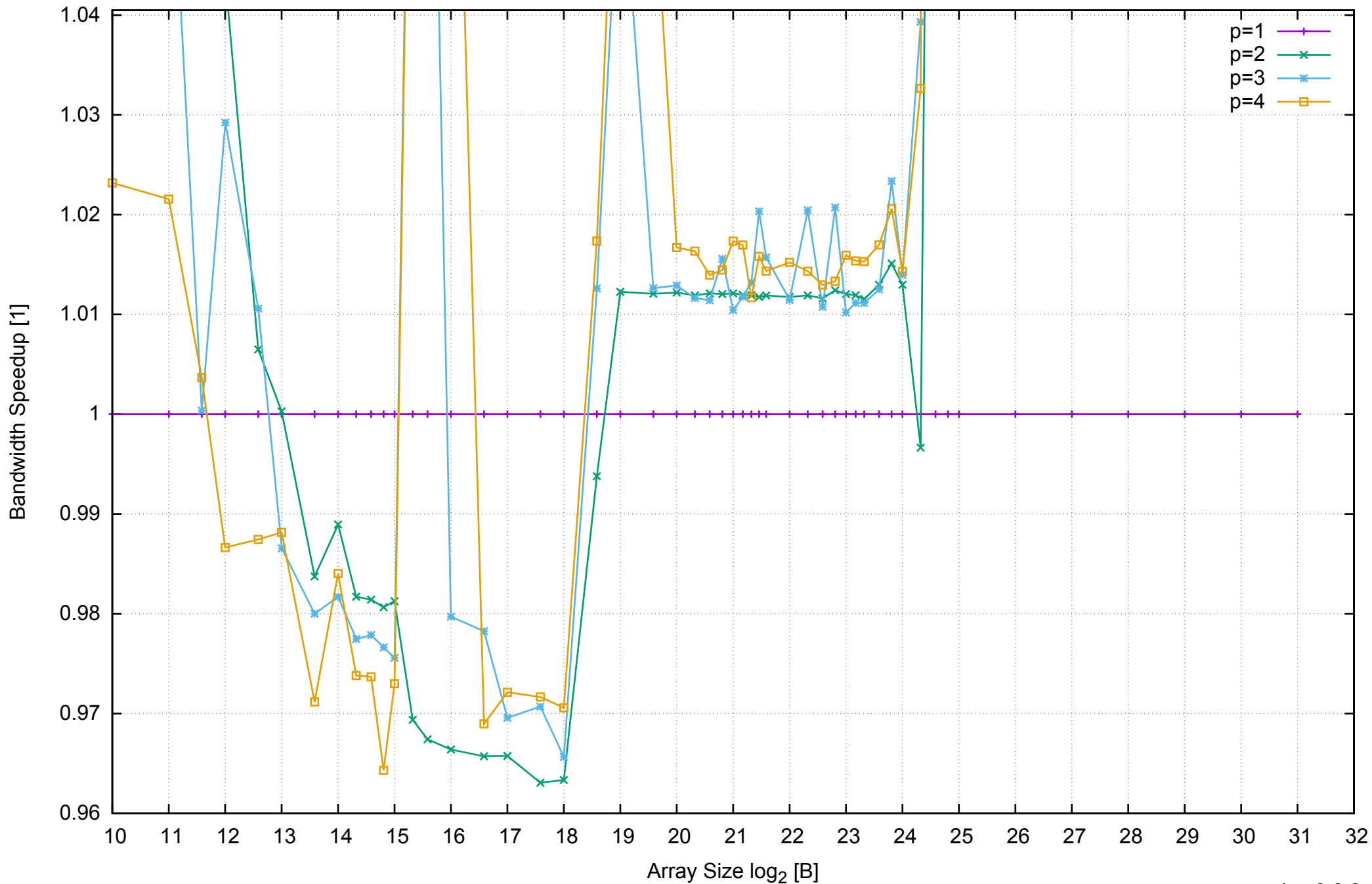
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite64PtrSimpleLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop

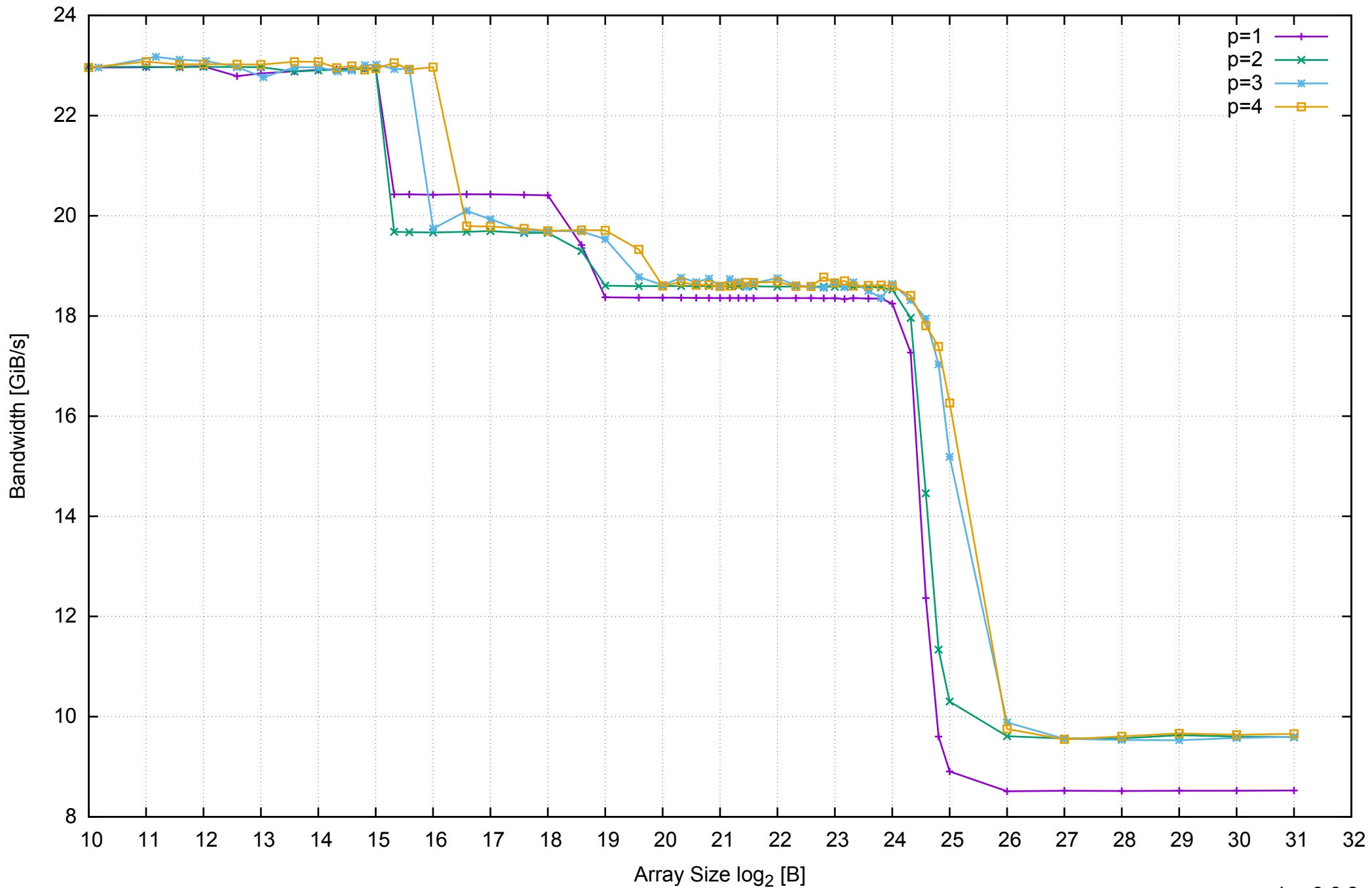


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrSimpleLoop

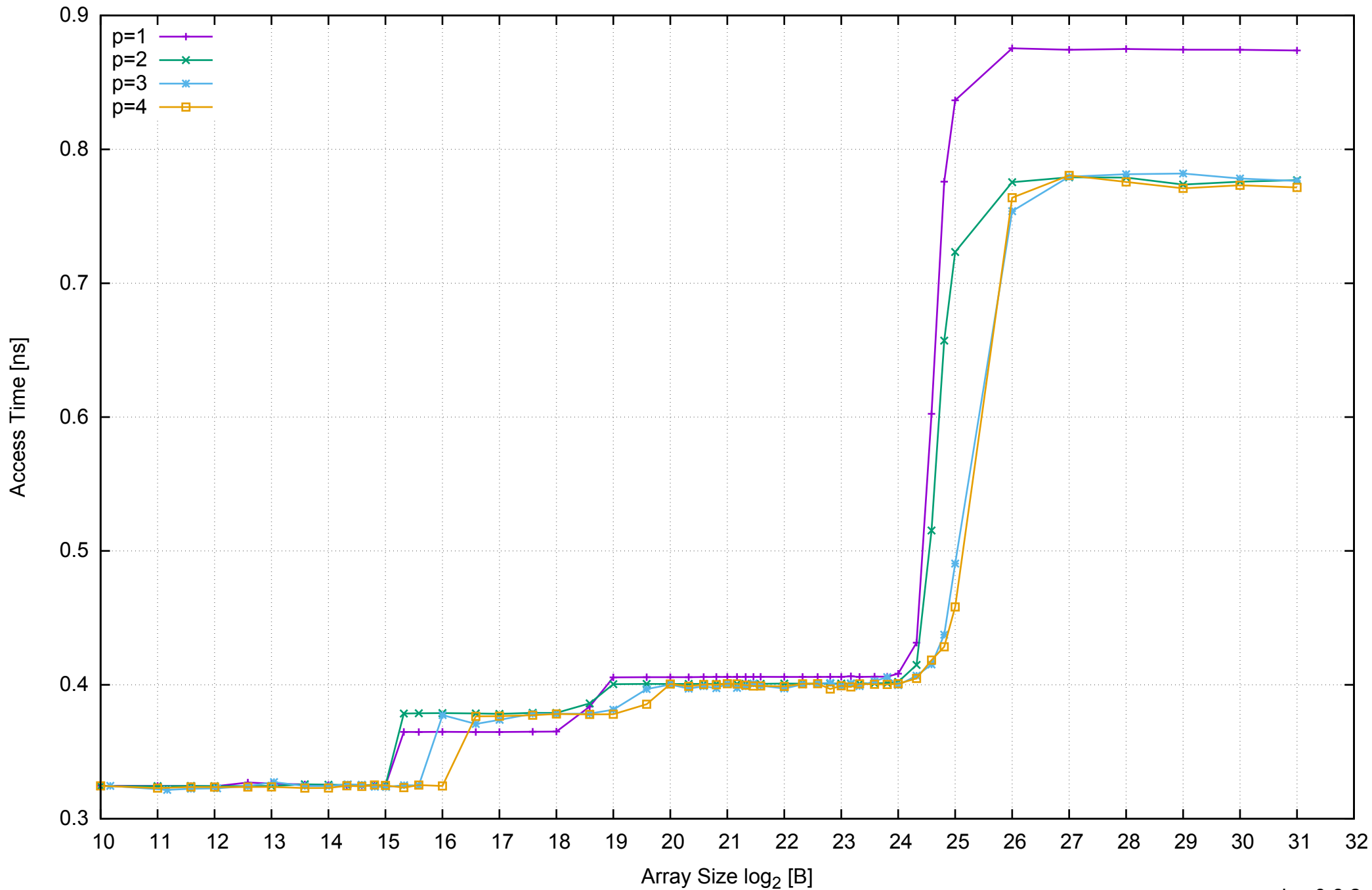




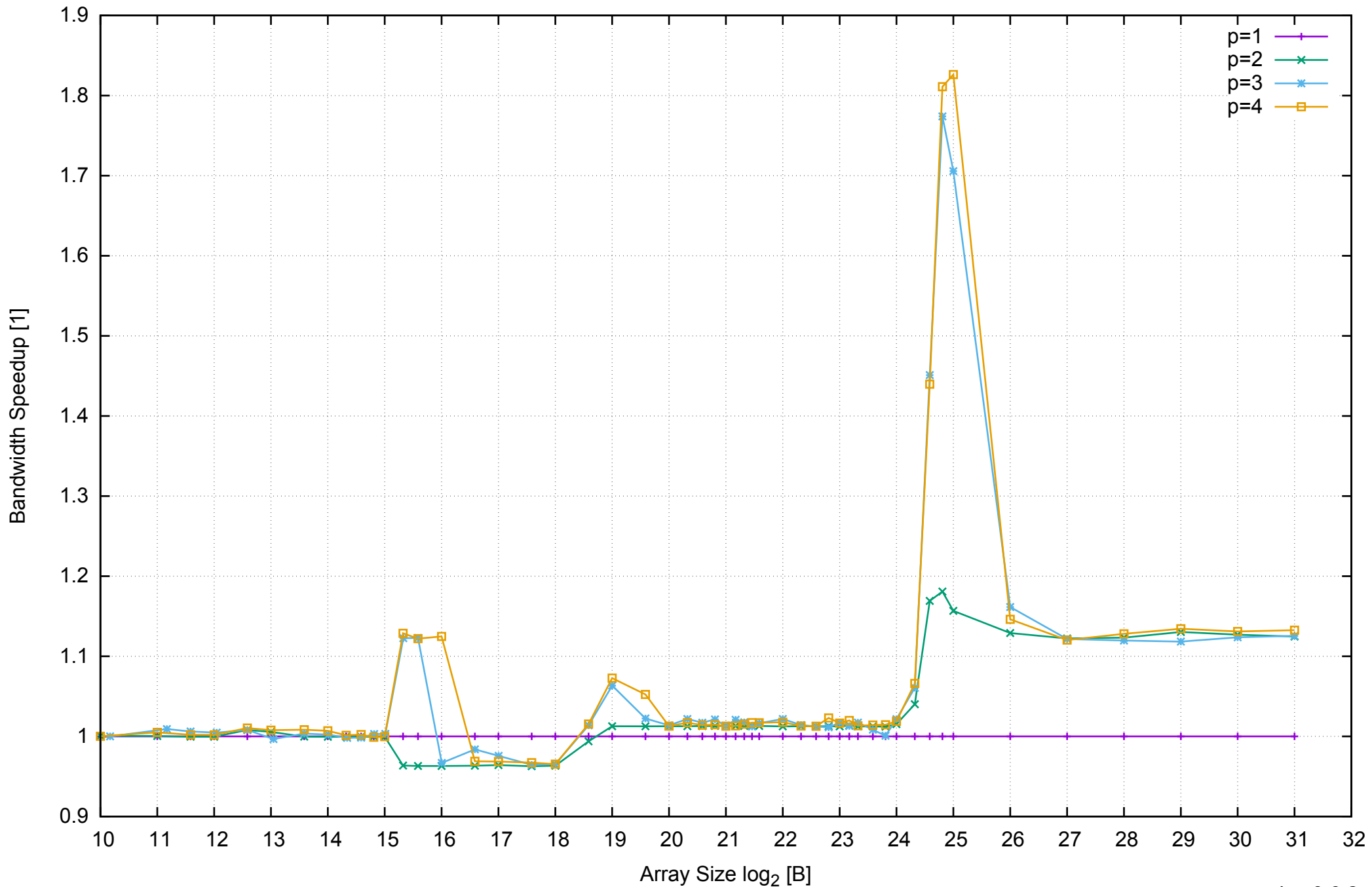
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



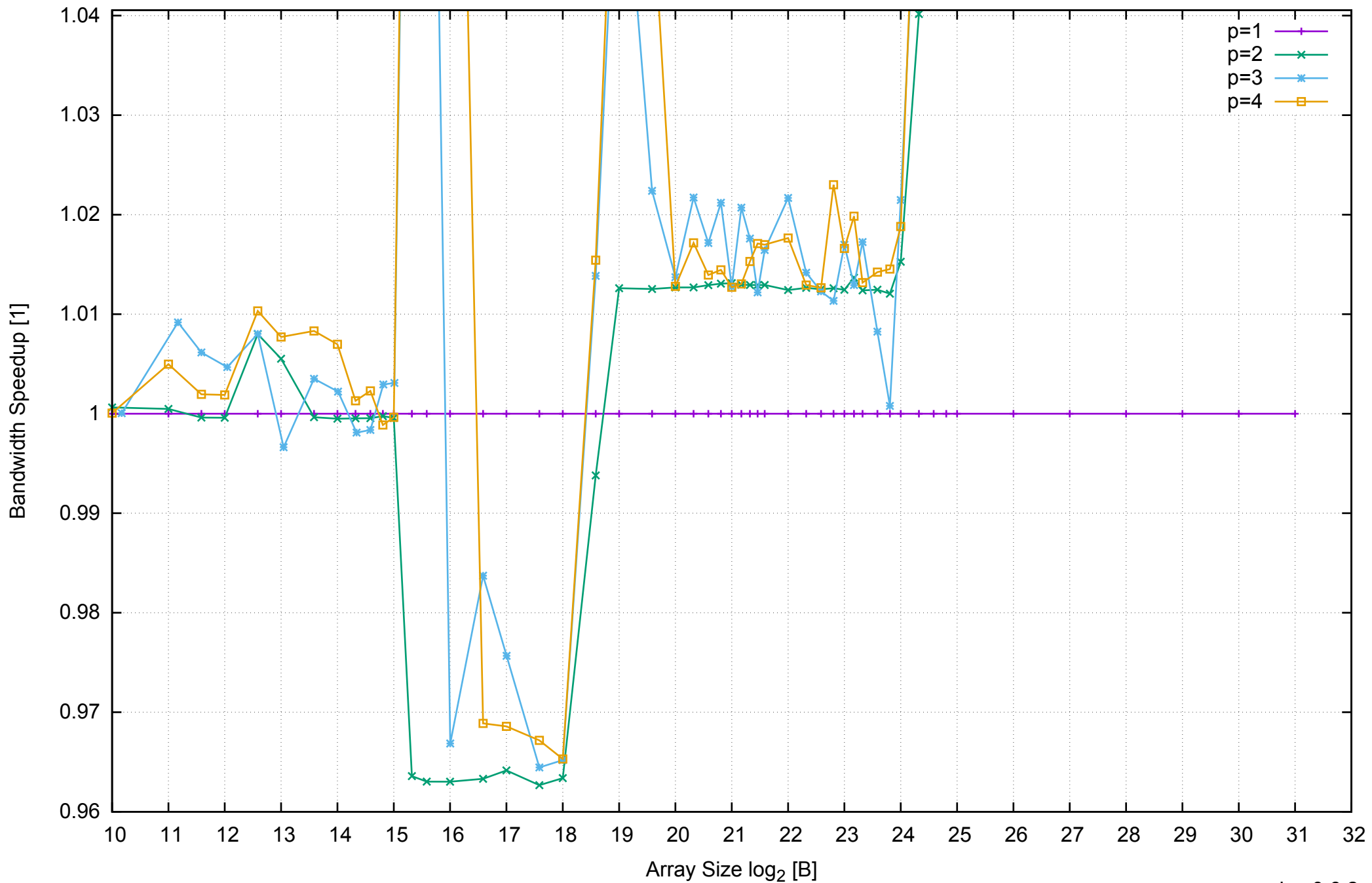
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite64PtrUnrollLoop



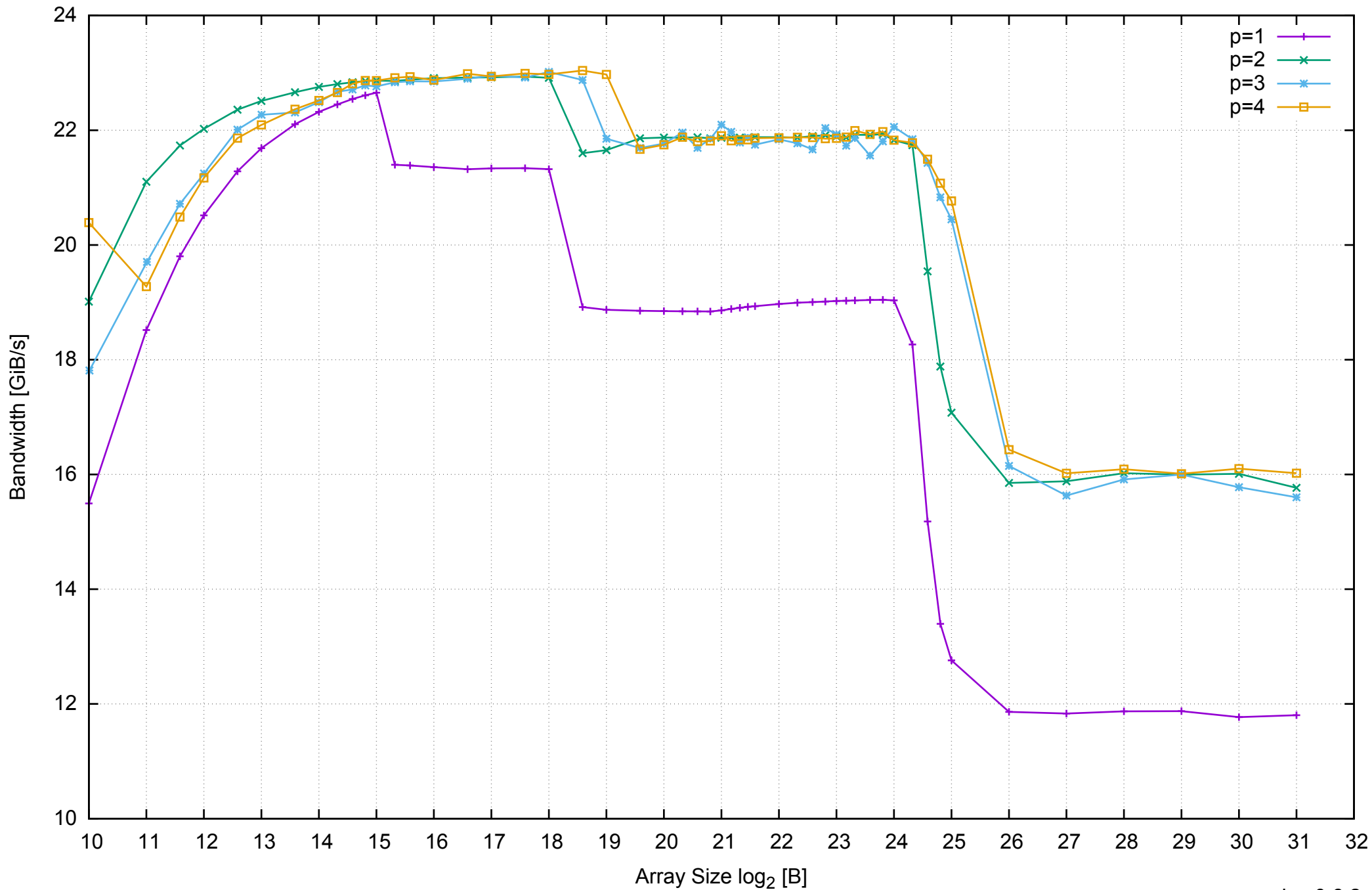
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



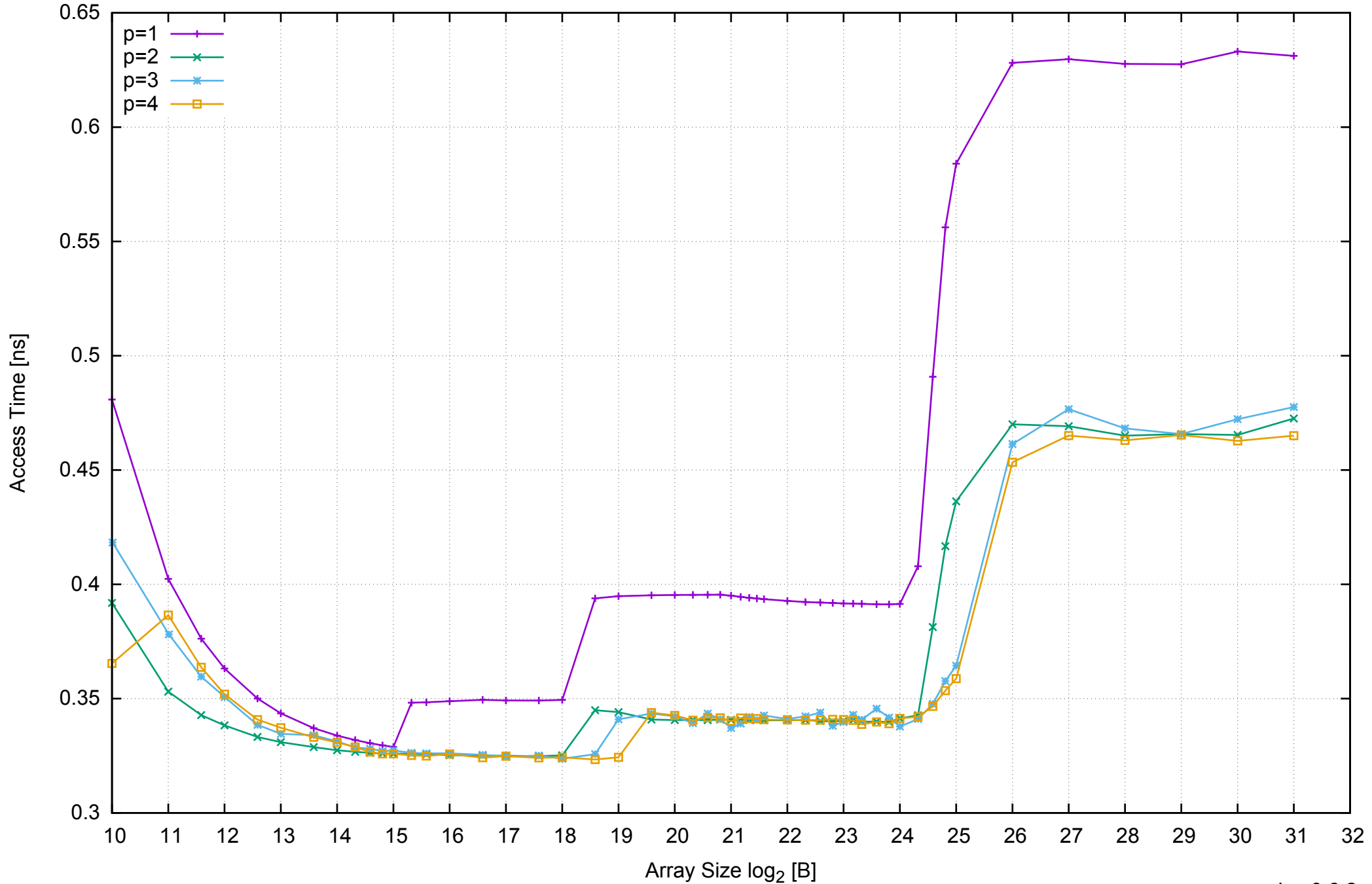
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



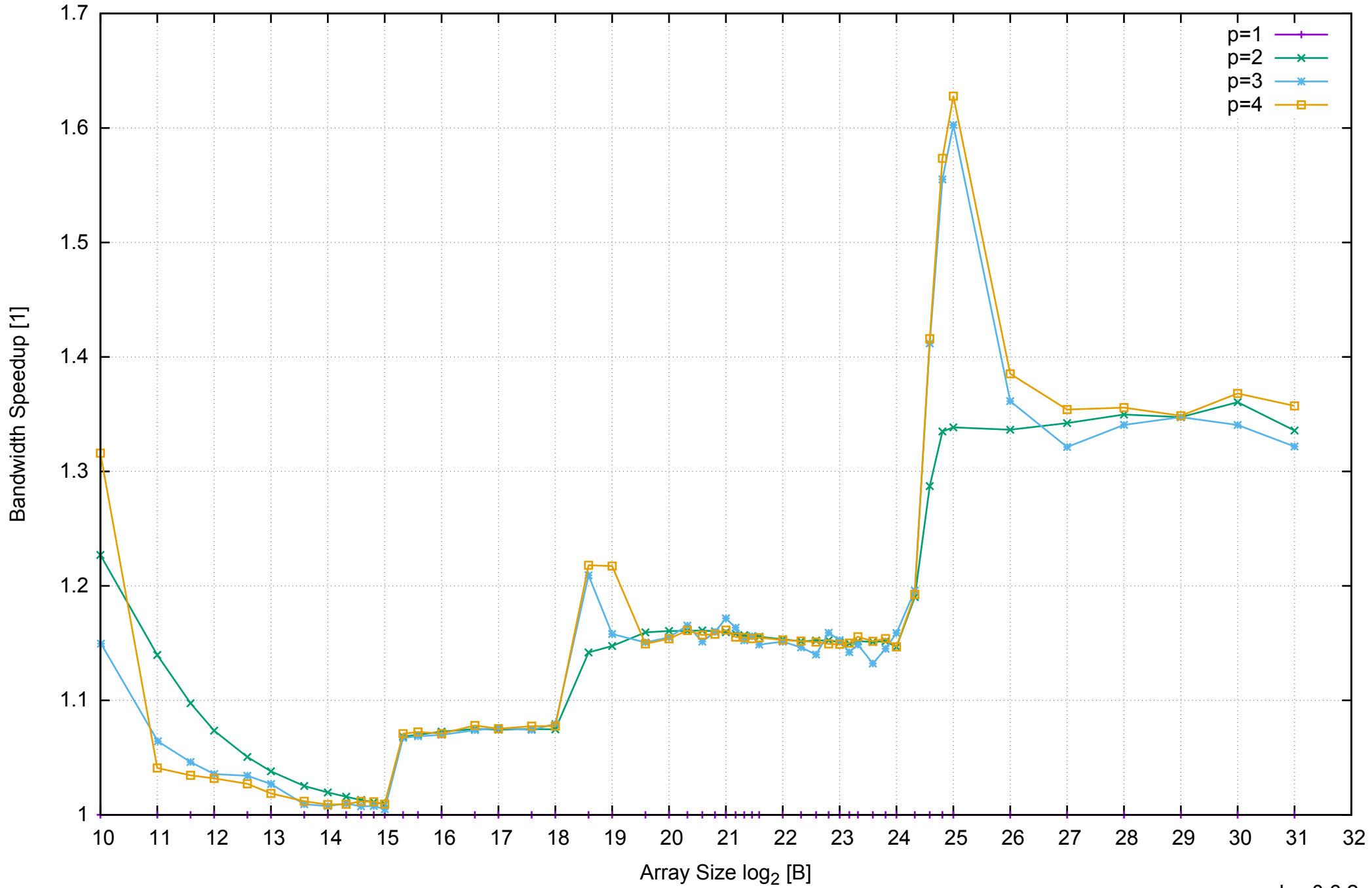
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop



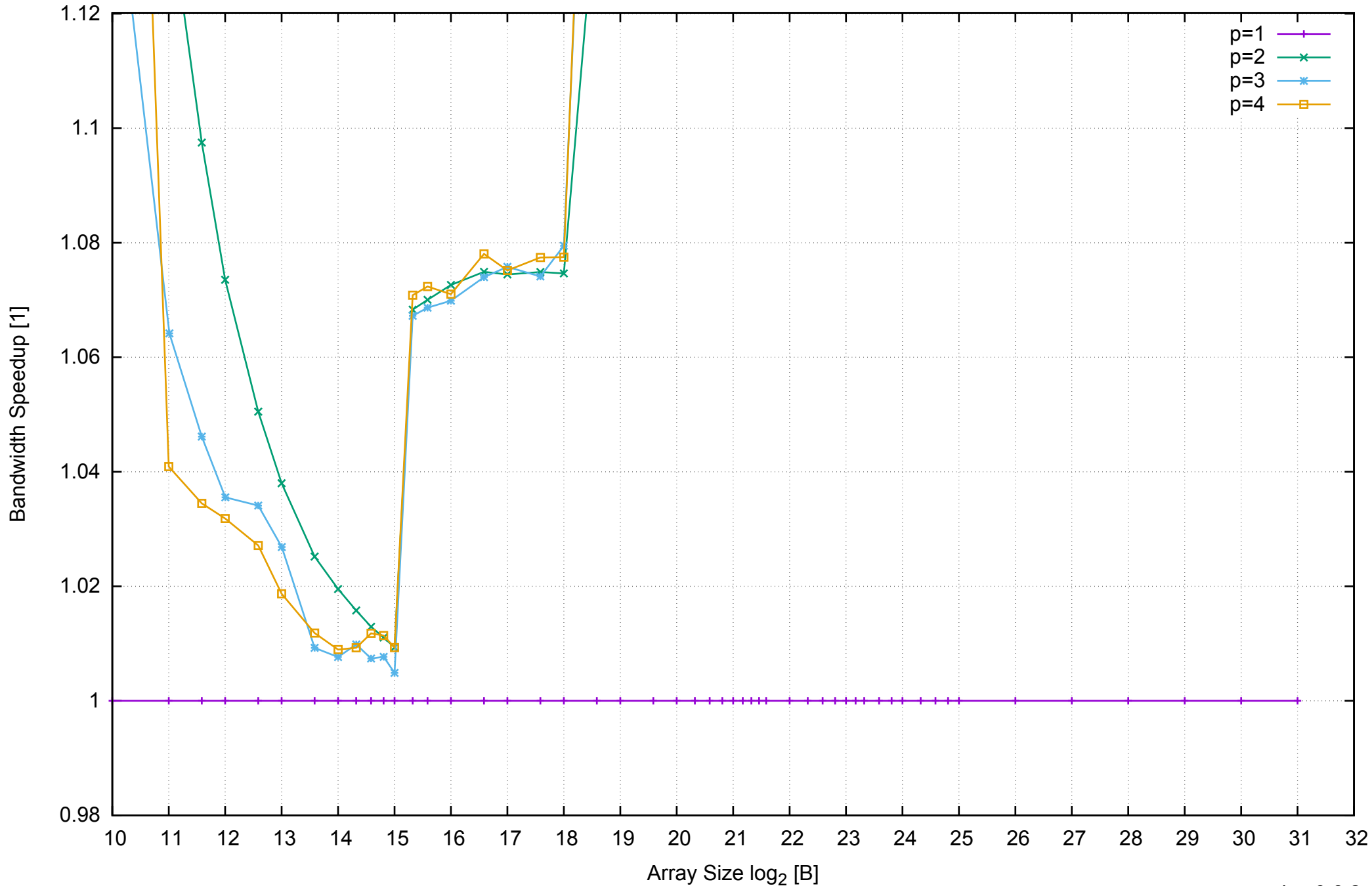
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead64PtrSimpleLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop

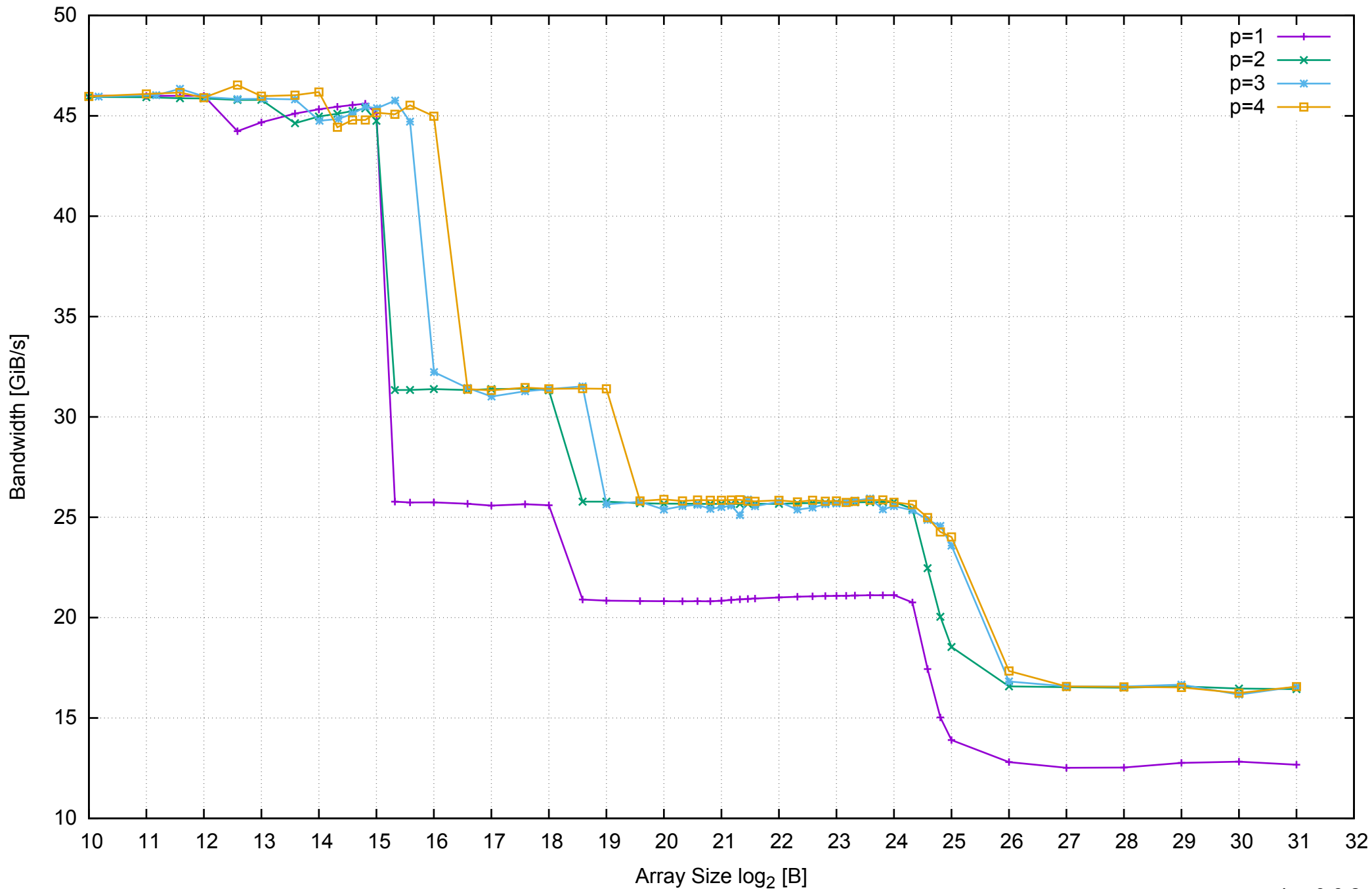


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrSimpleLoop

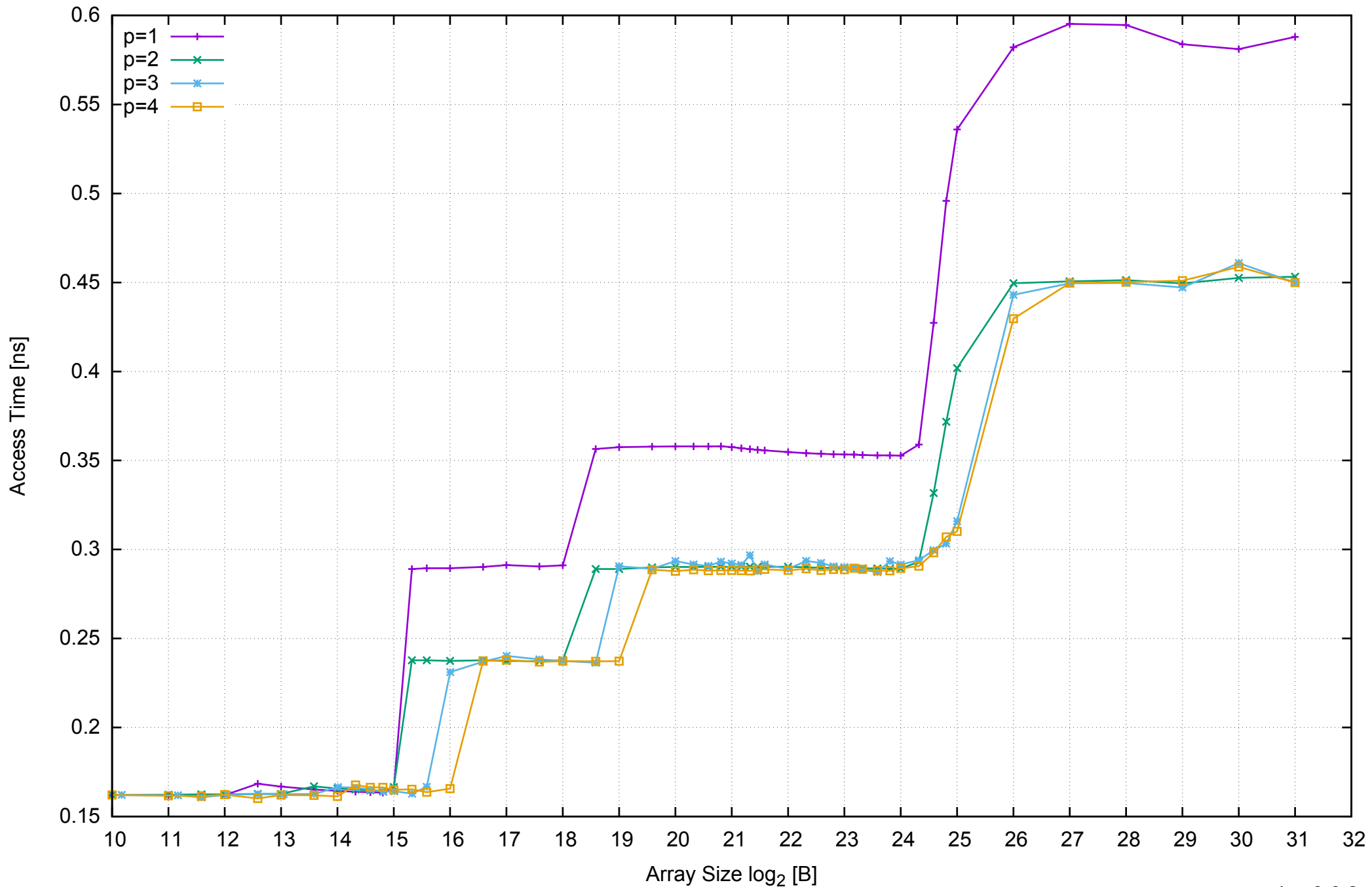




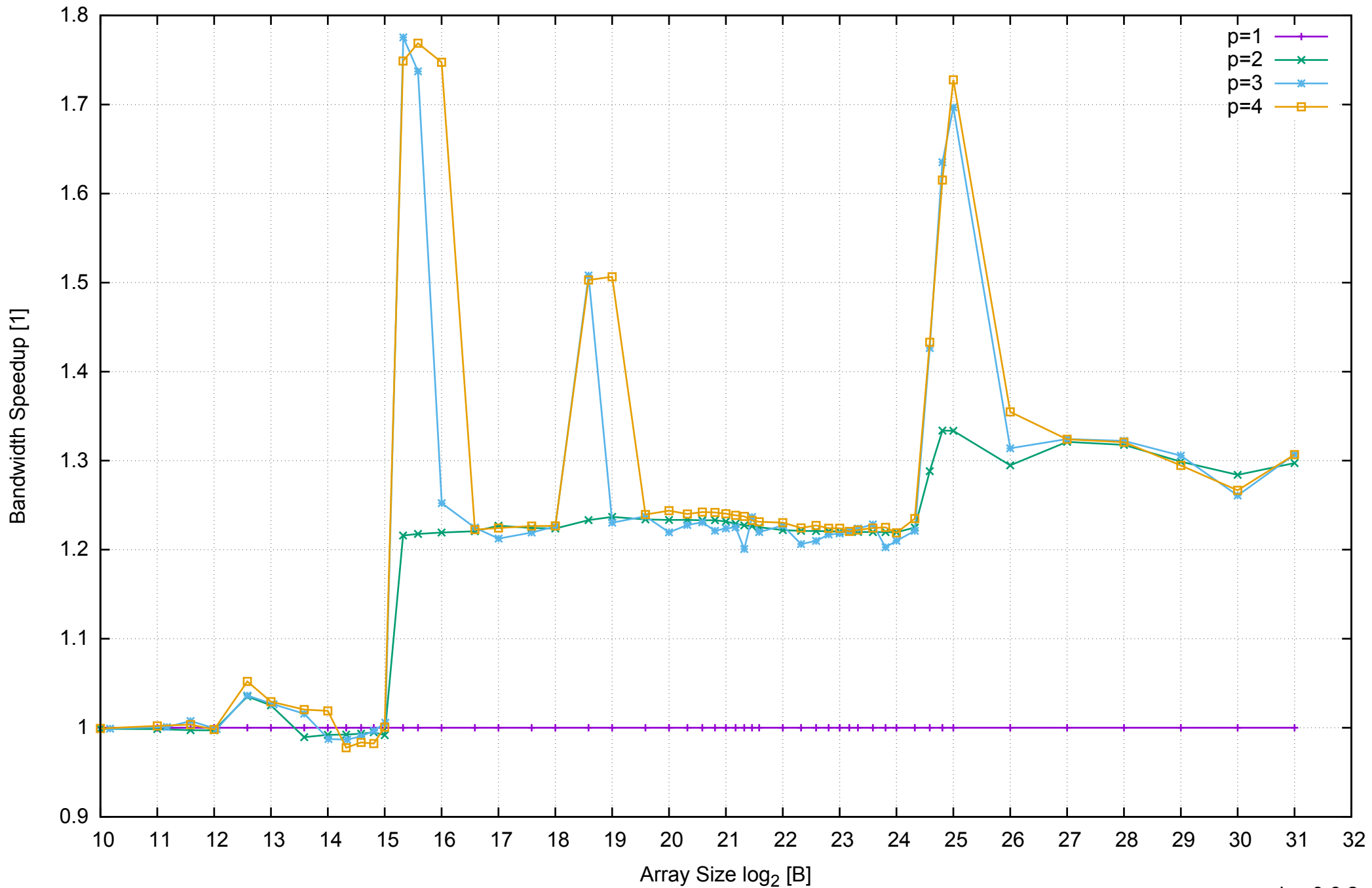
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



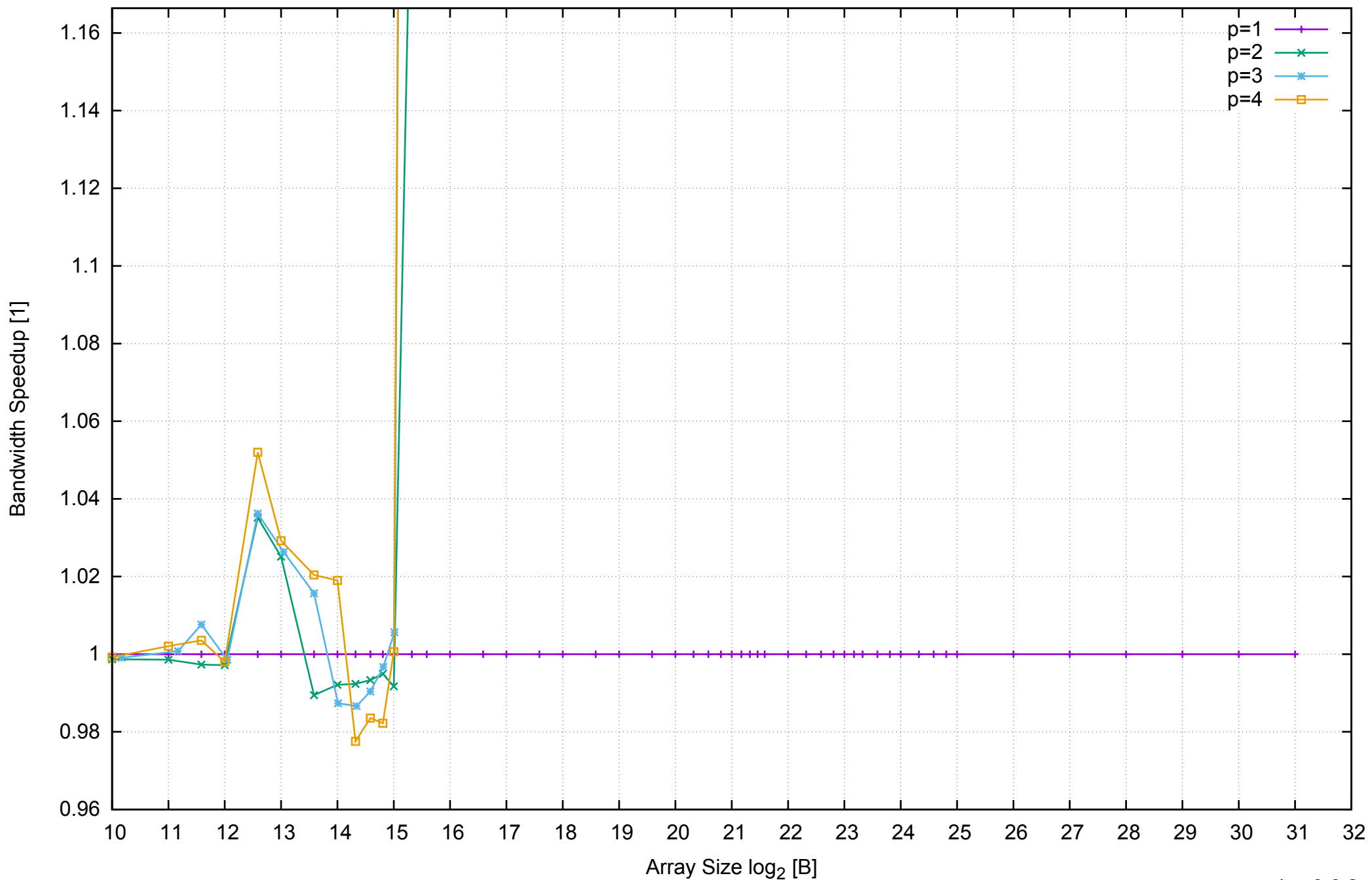
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead64PtrUnrollLoop



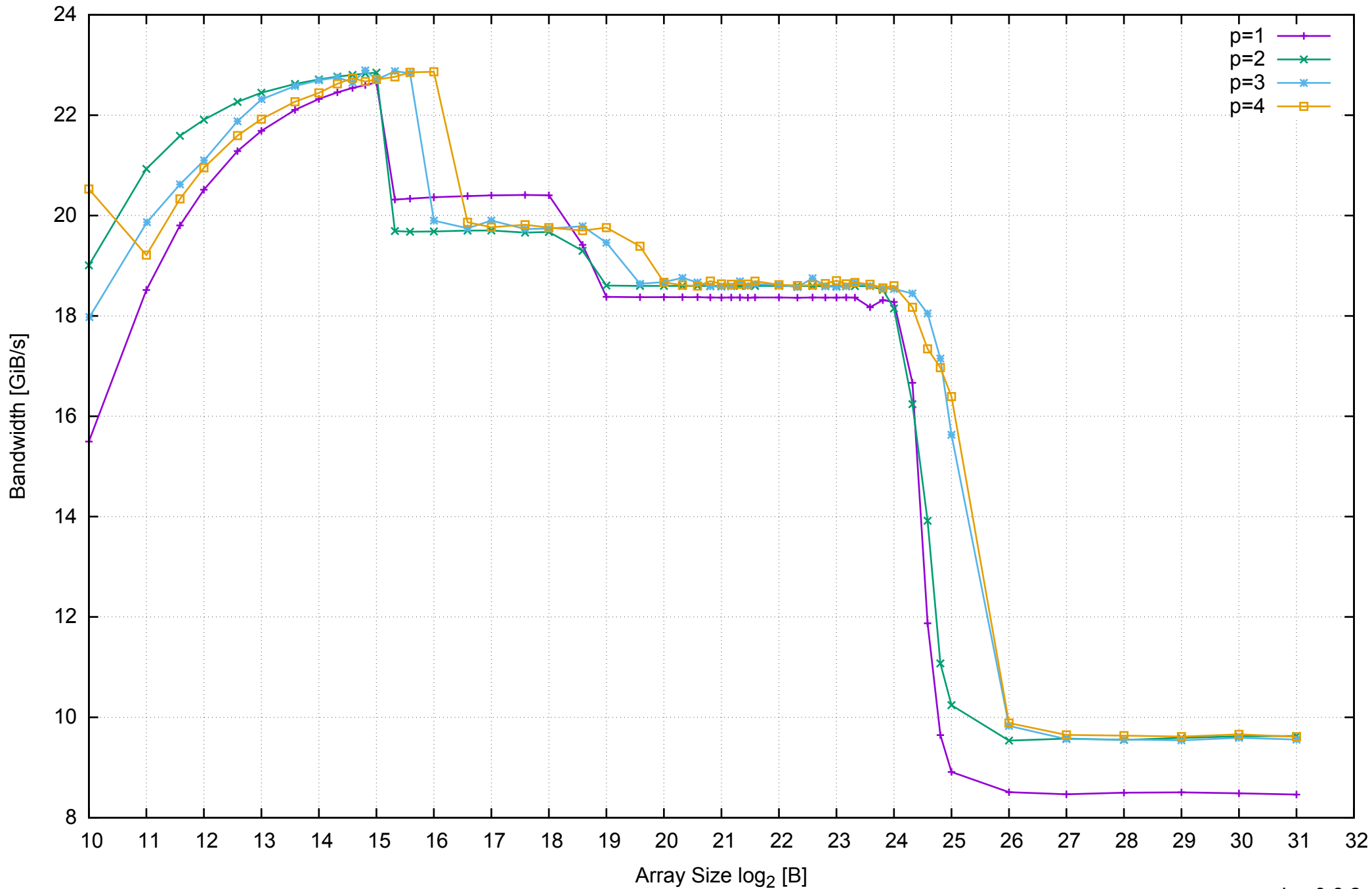
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



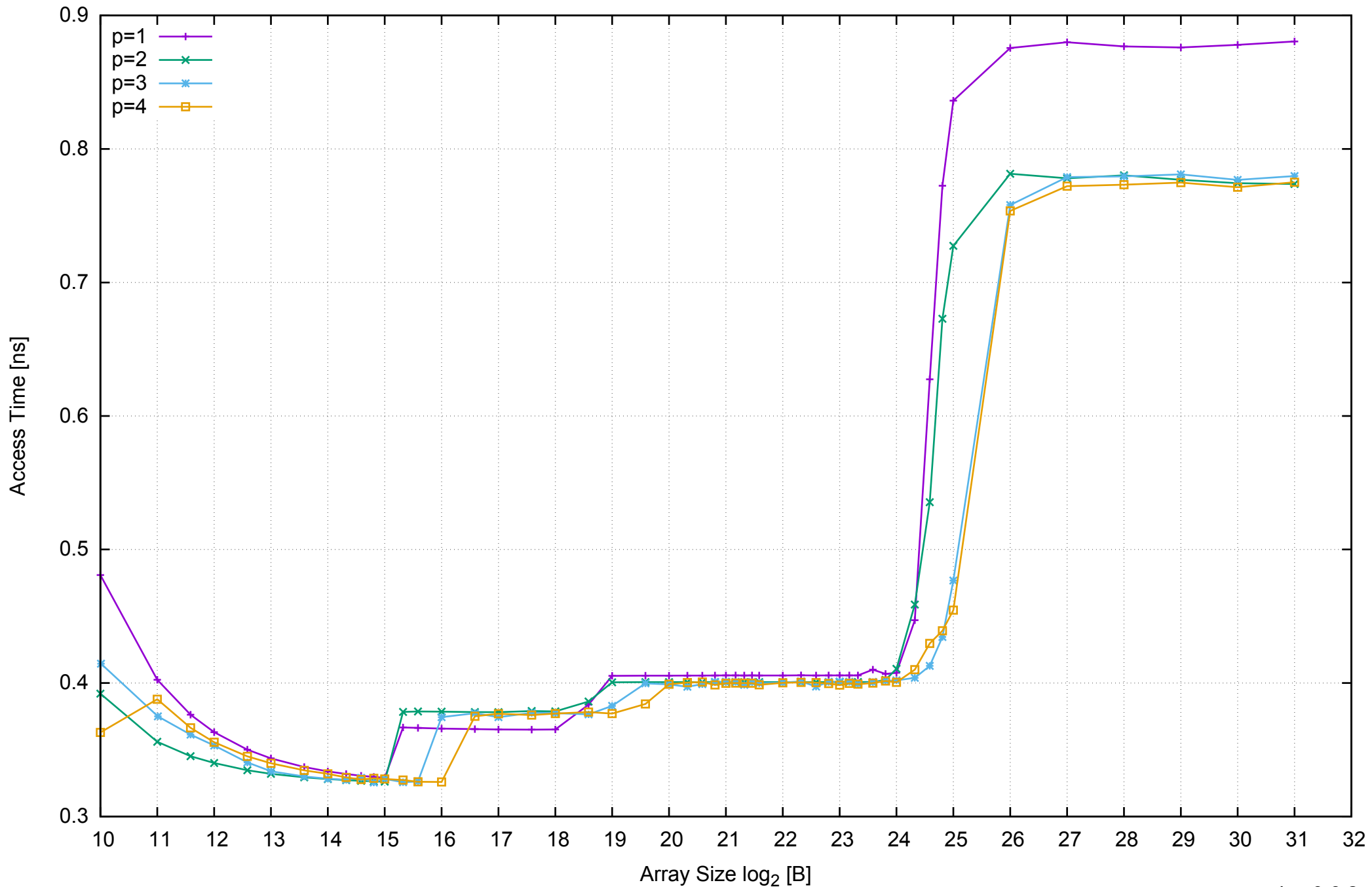
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrUnrollLoop



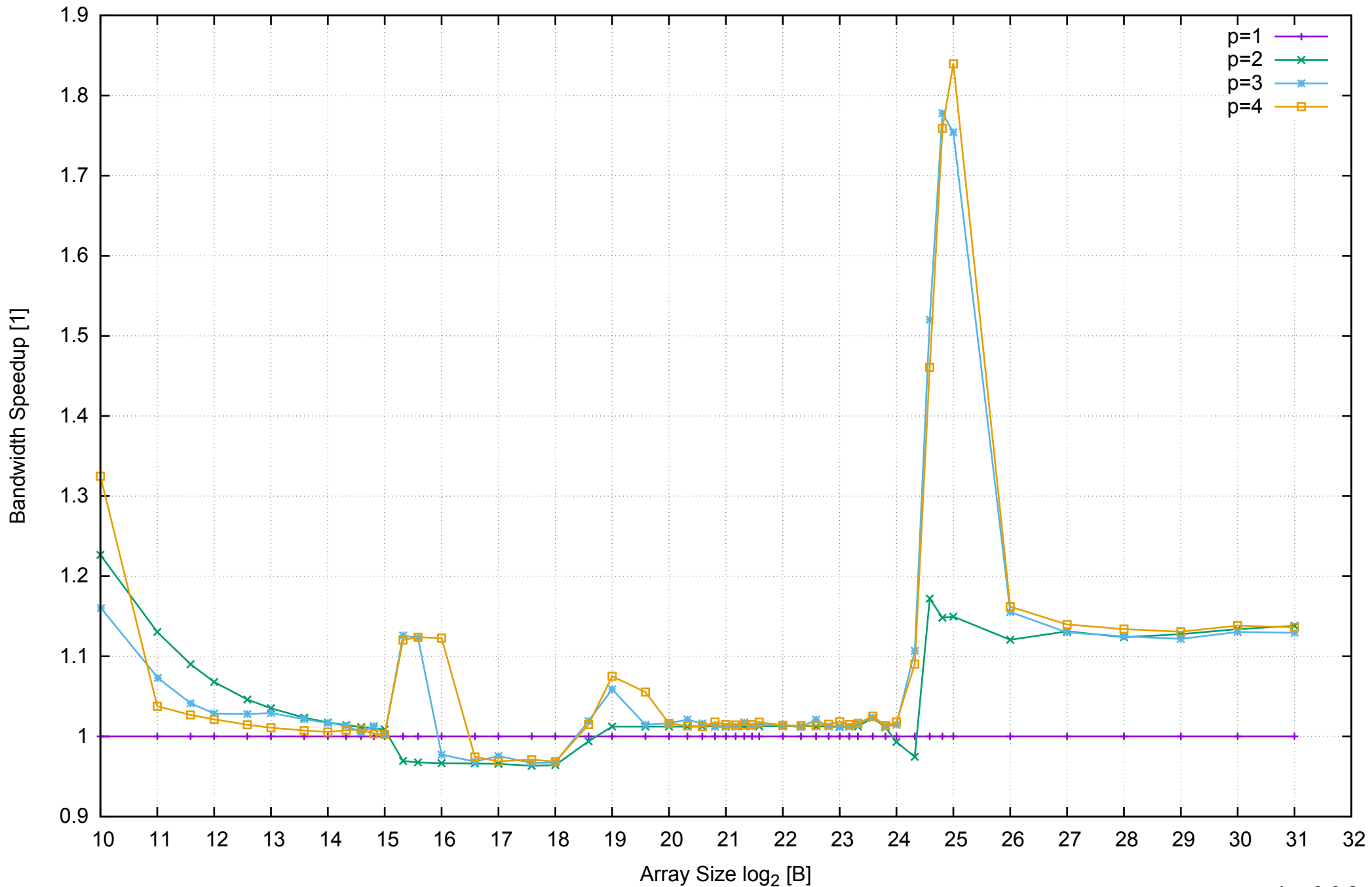
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite64IndexSimpleLoop



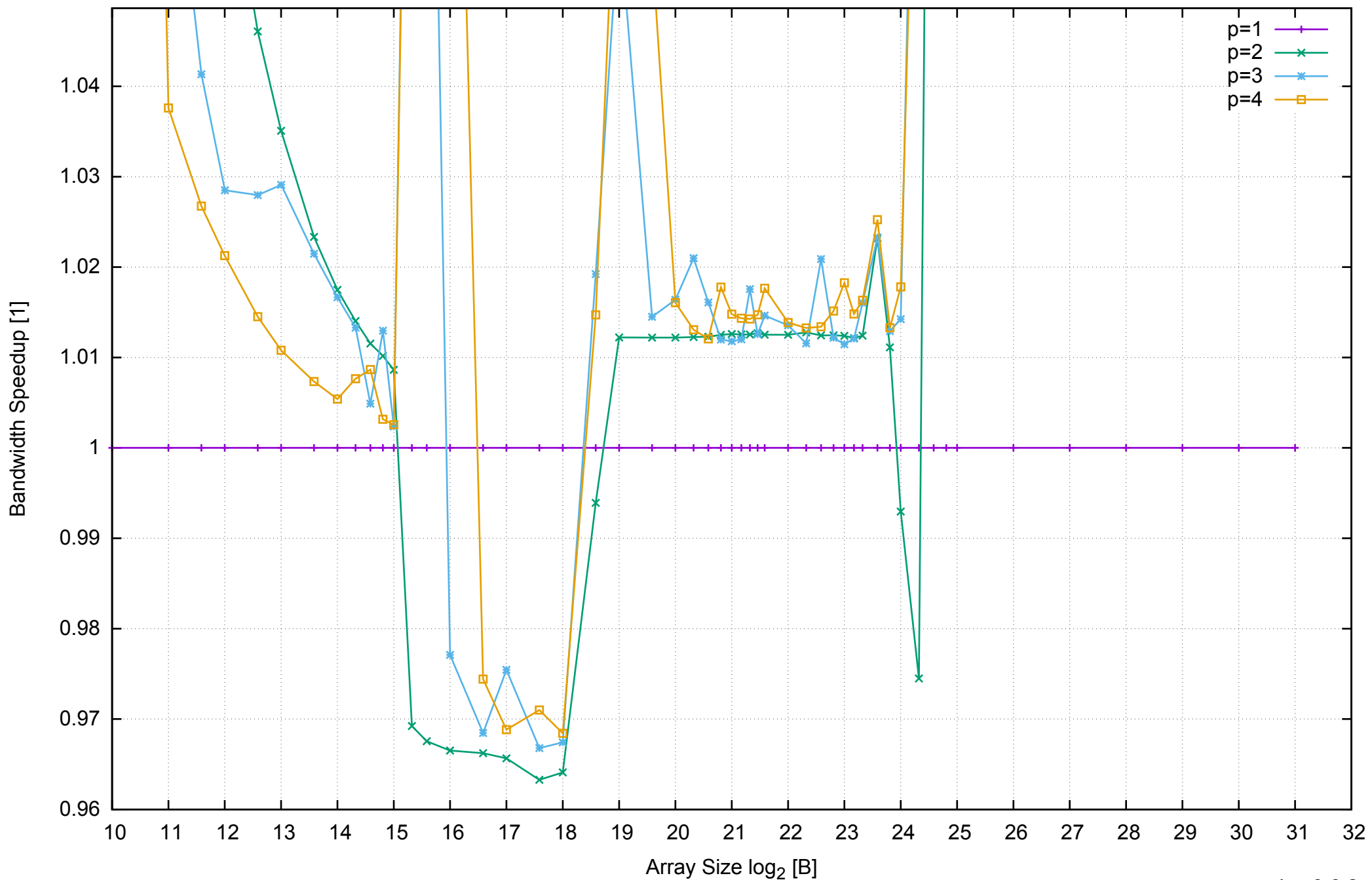
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite64IndexSimpleLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite64IndexSimpleLoop

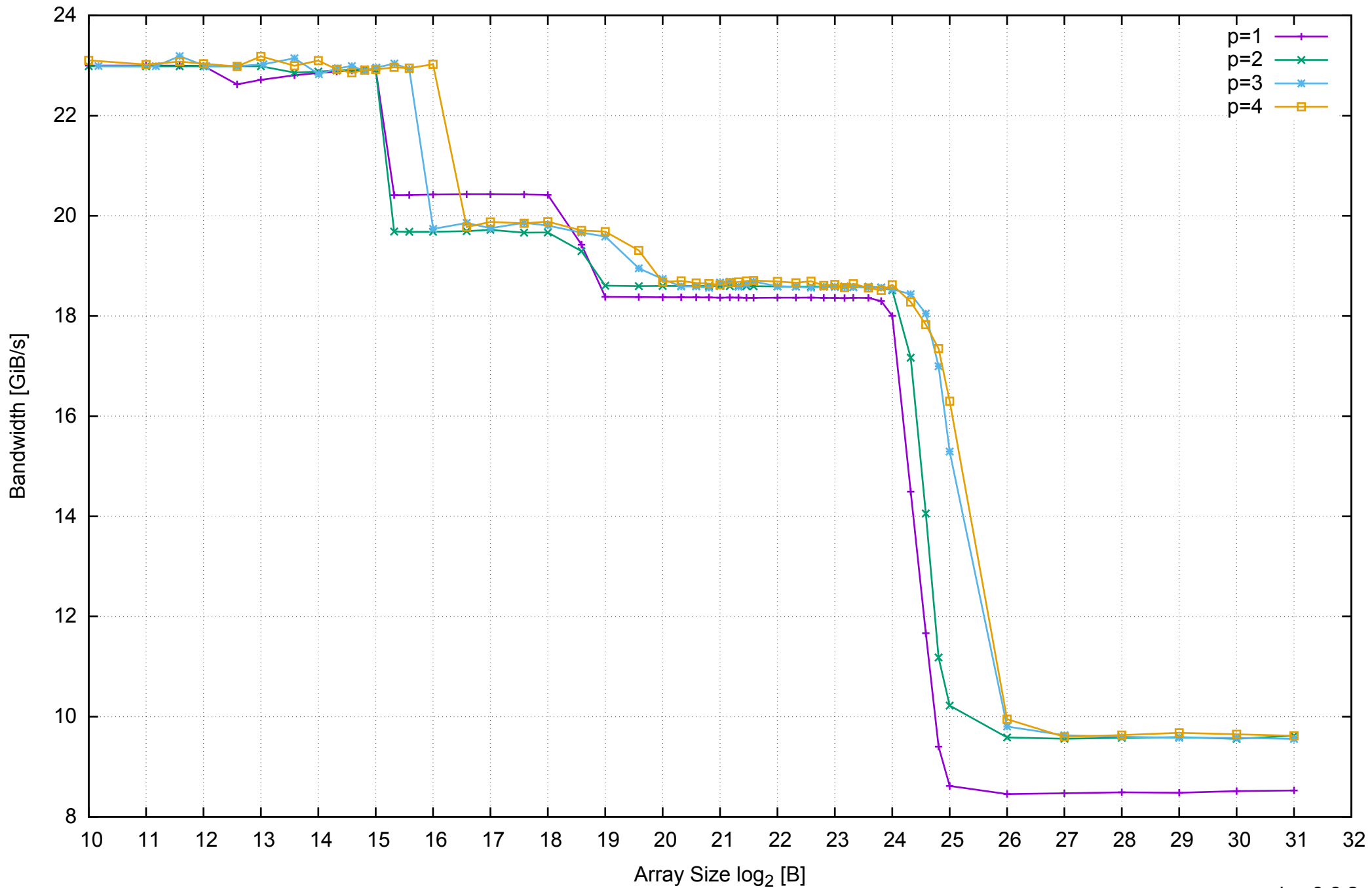


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64IndexSimpleLoop

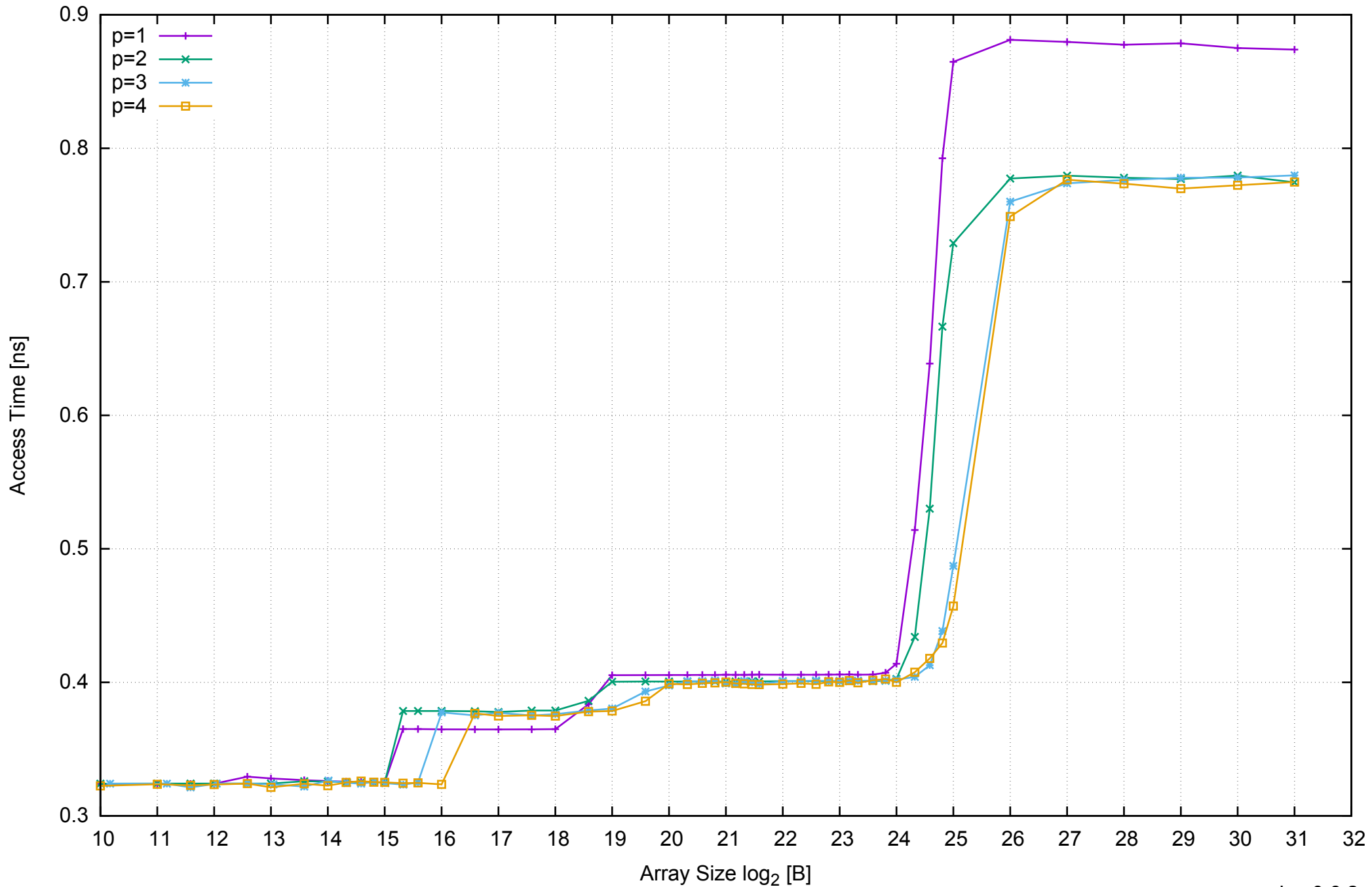




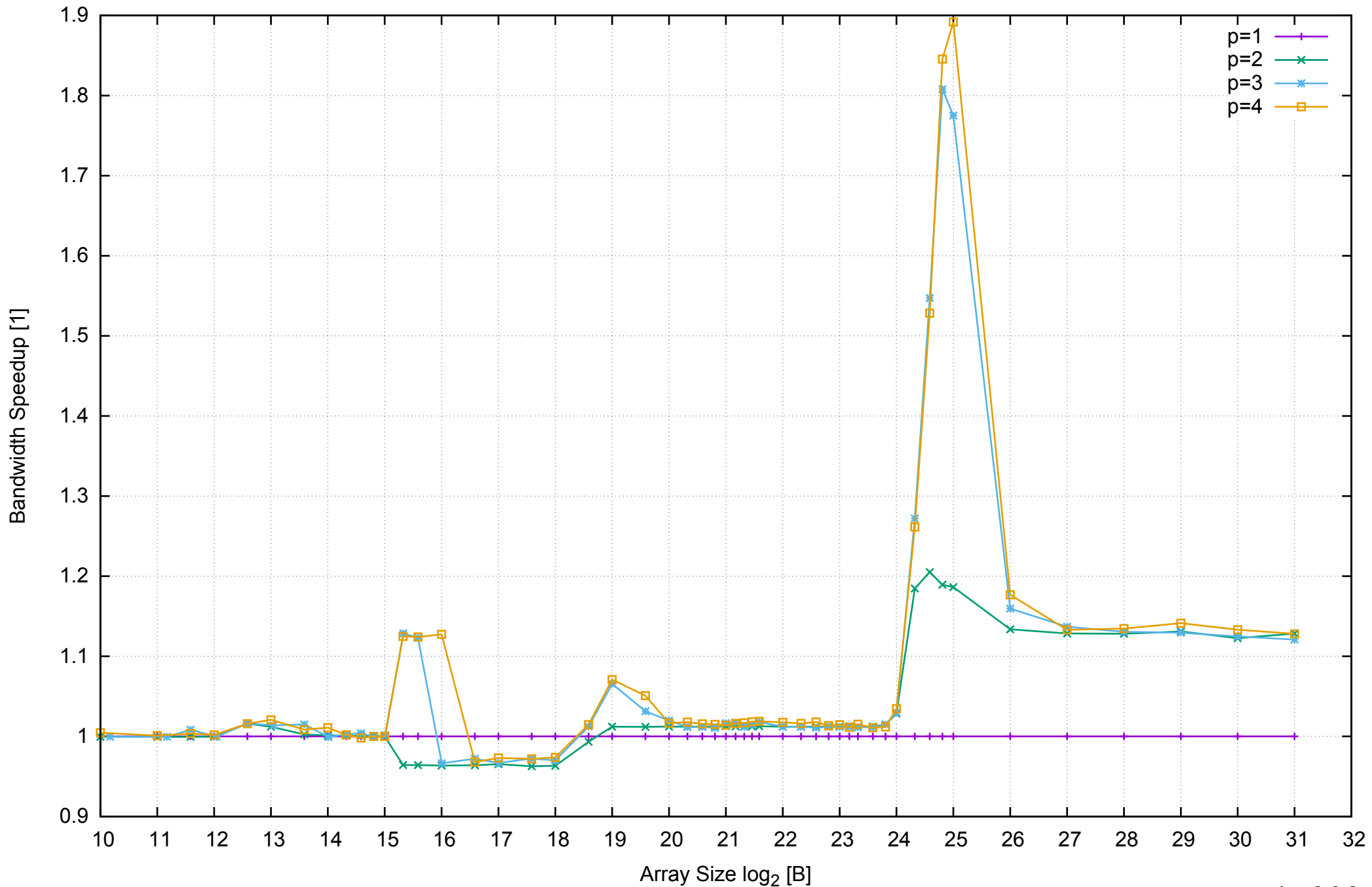
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite64IndexUnrollLoop

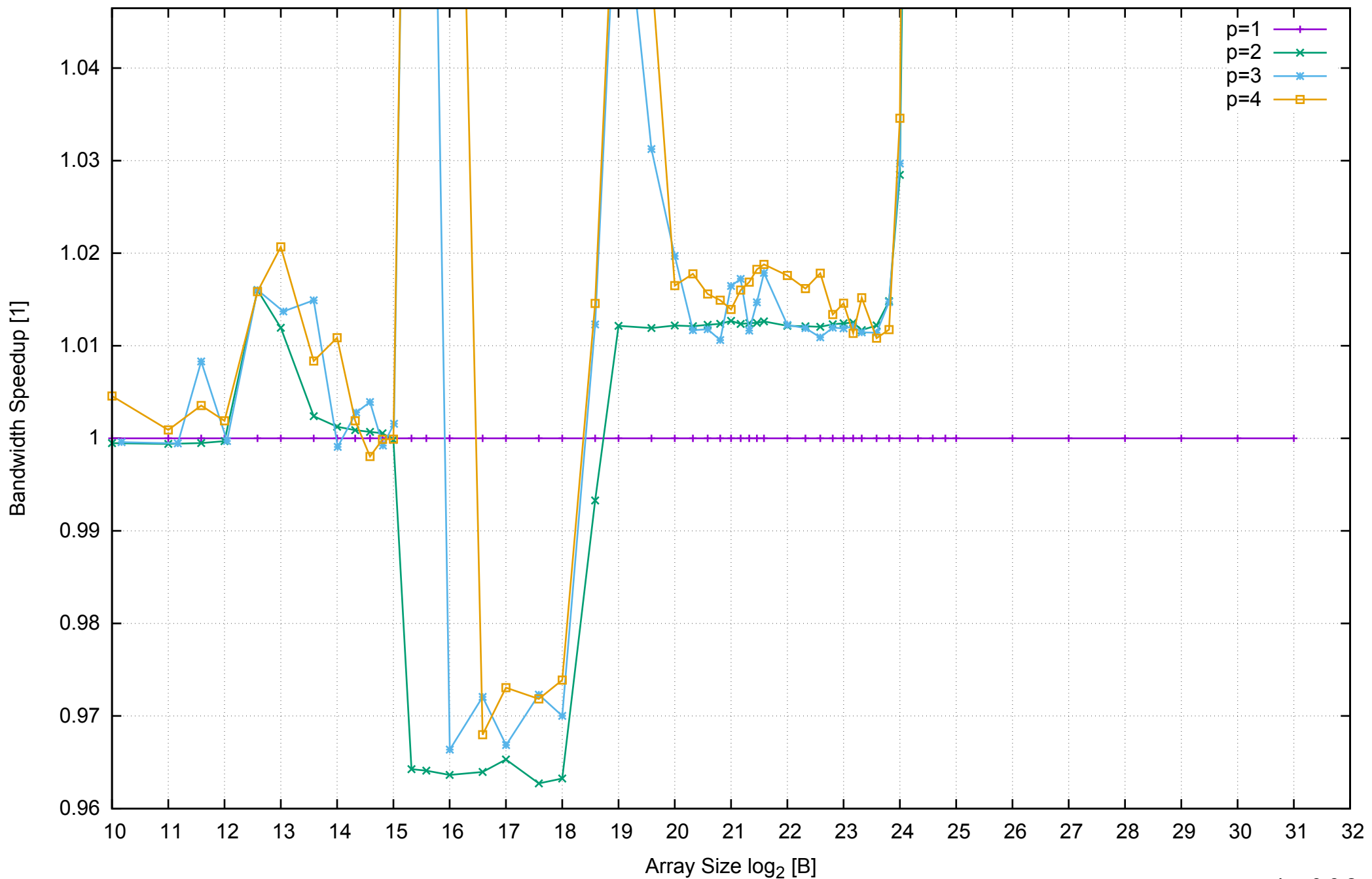


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite64IndexUnrollLoop

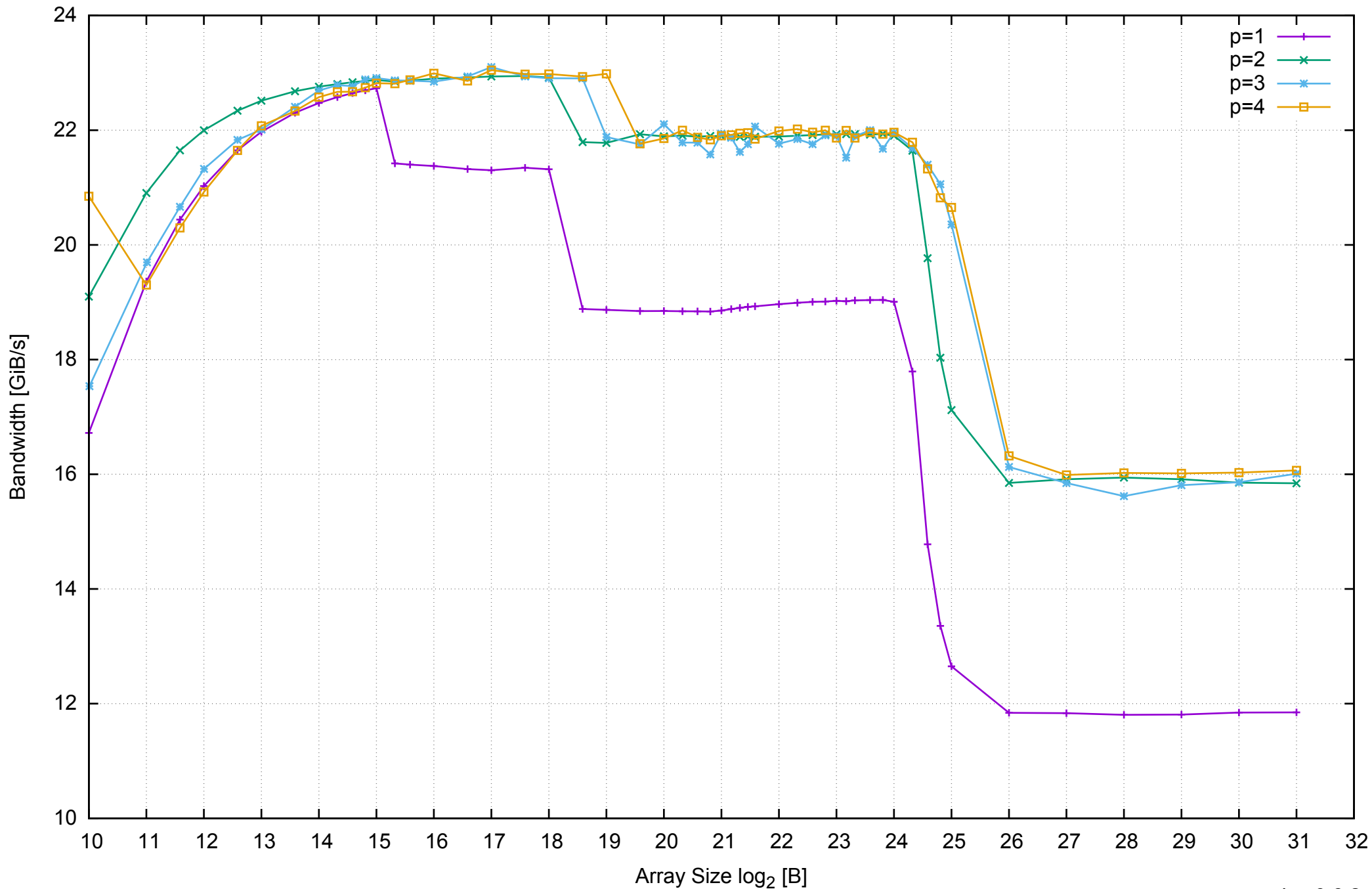


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite64IndexUnrollLoop

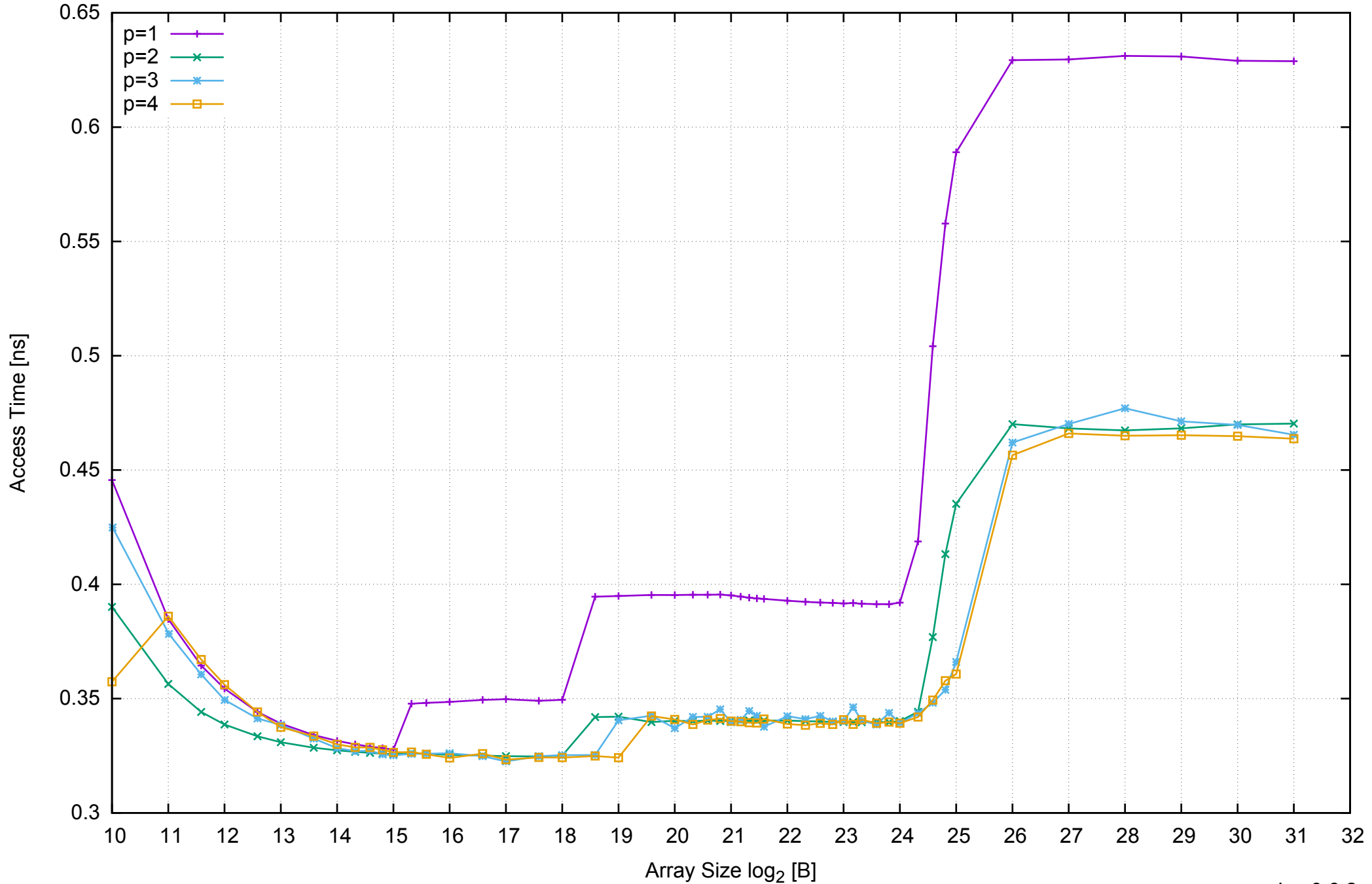




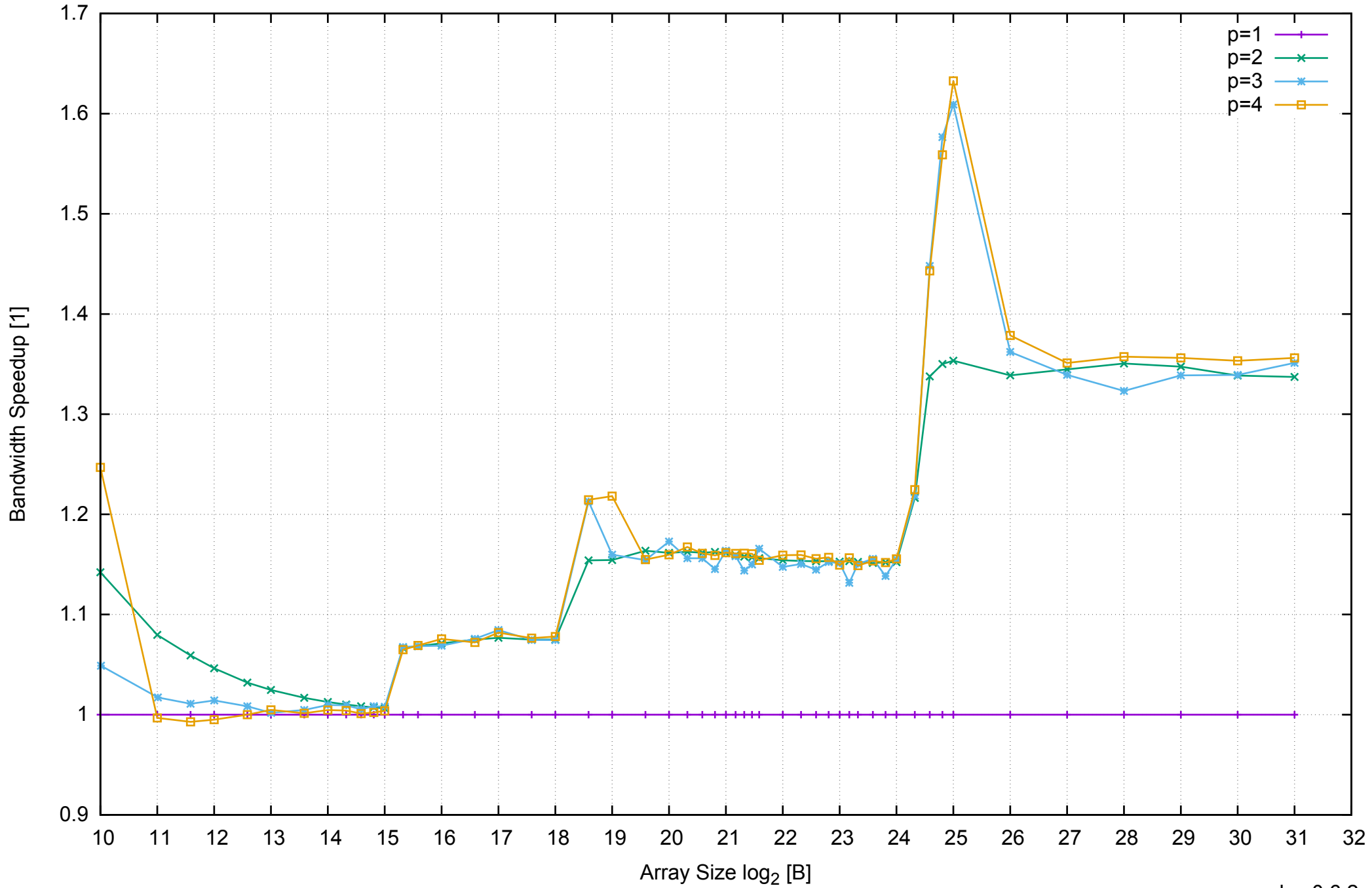
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead64IndexSimpleLoop

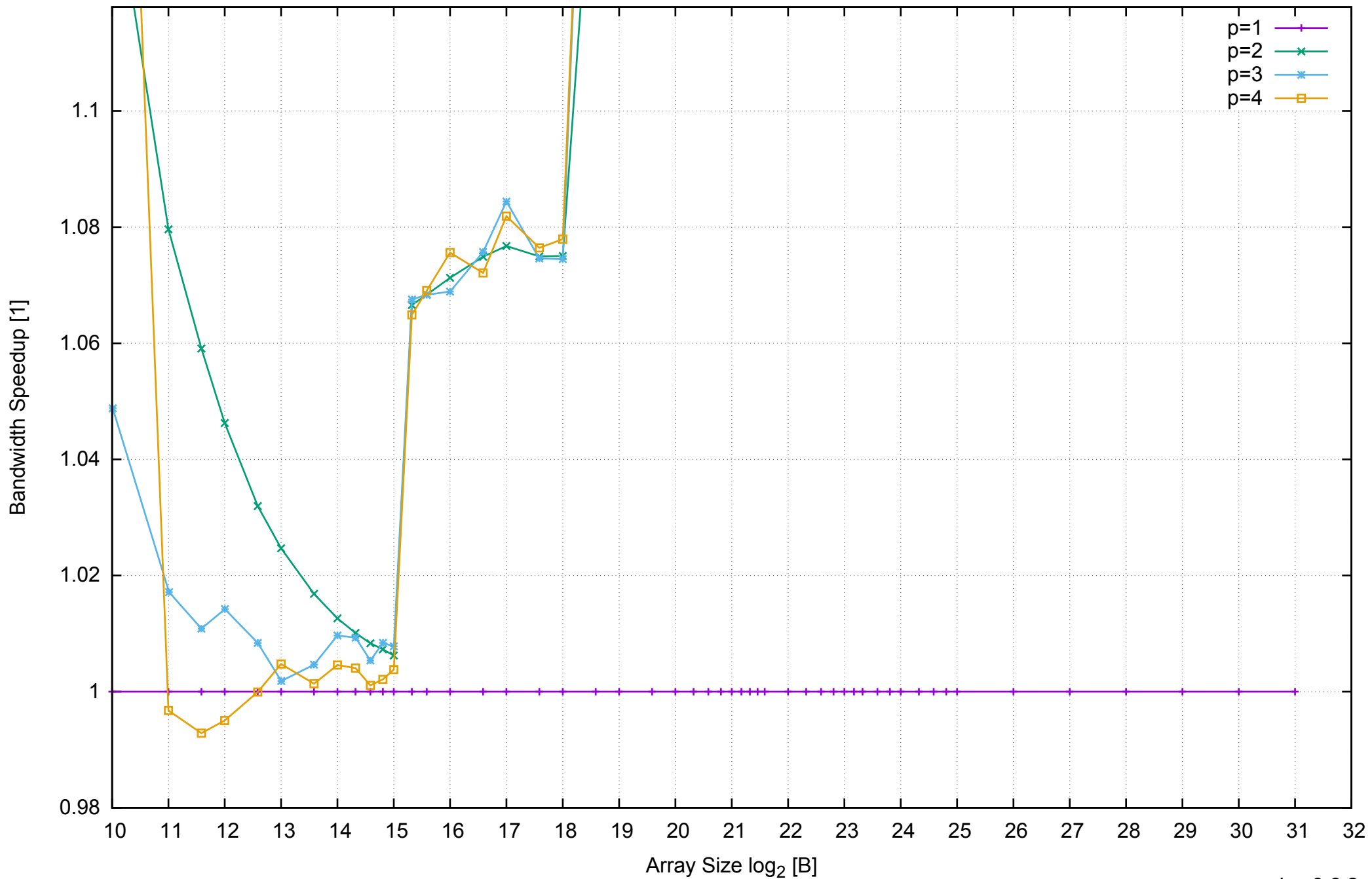


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead64IndexSimpleLoop



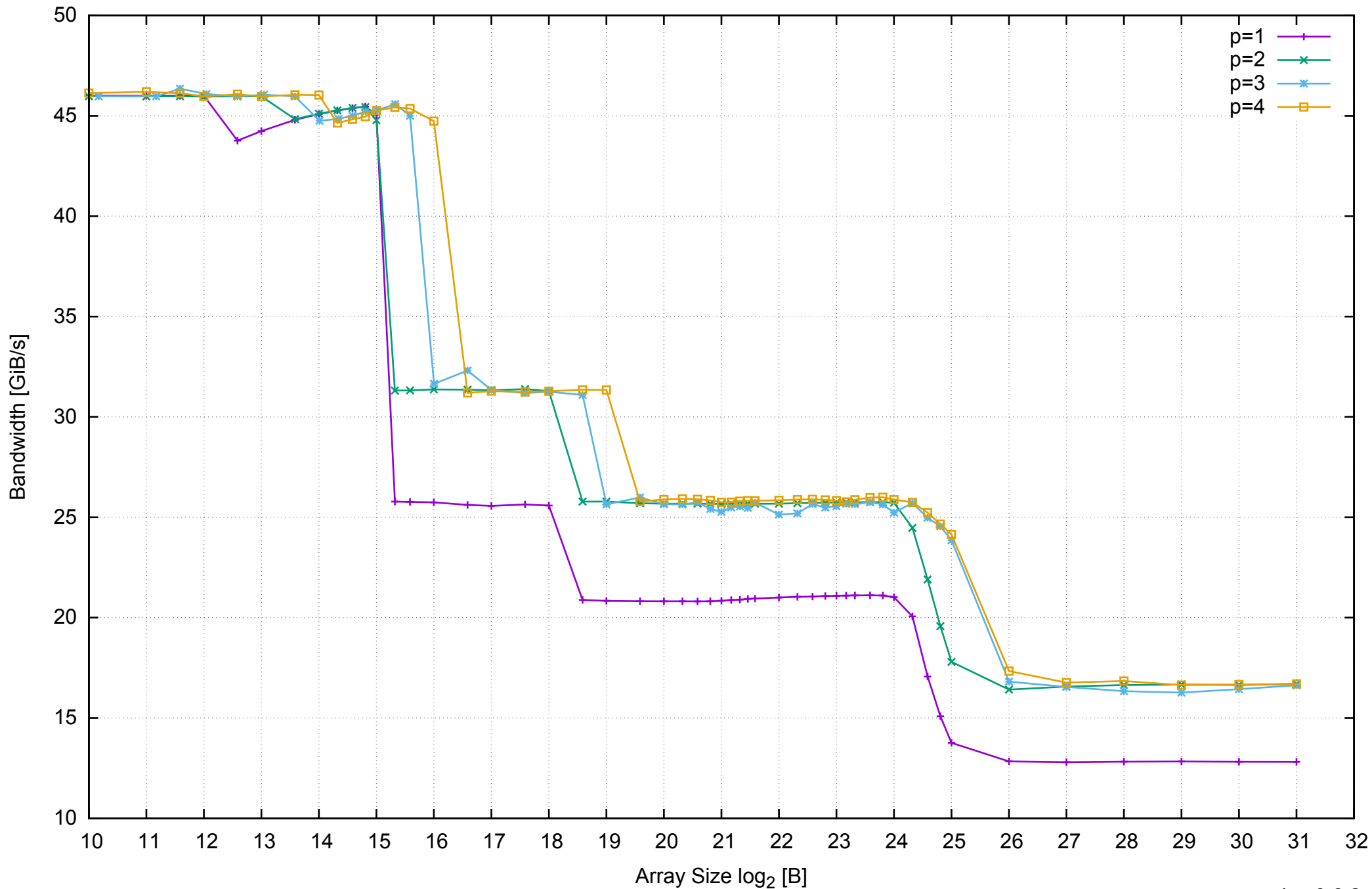
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speed of Parallel Memory Bandwidth - ScanRead64IndexSimpleLoop



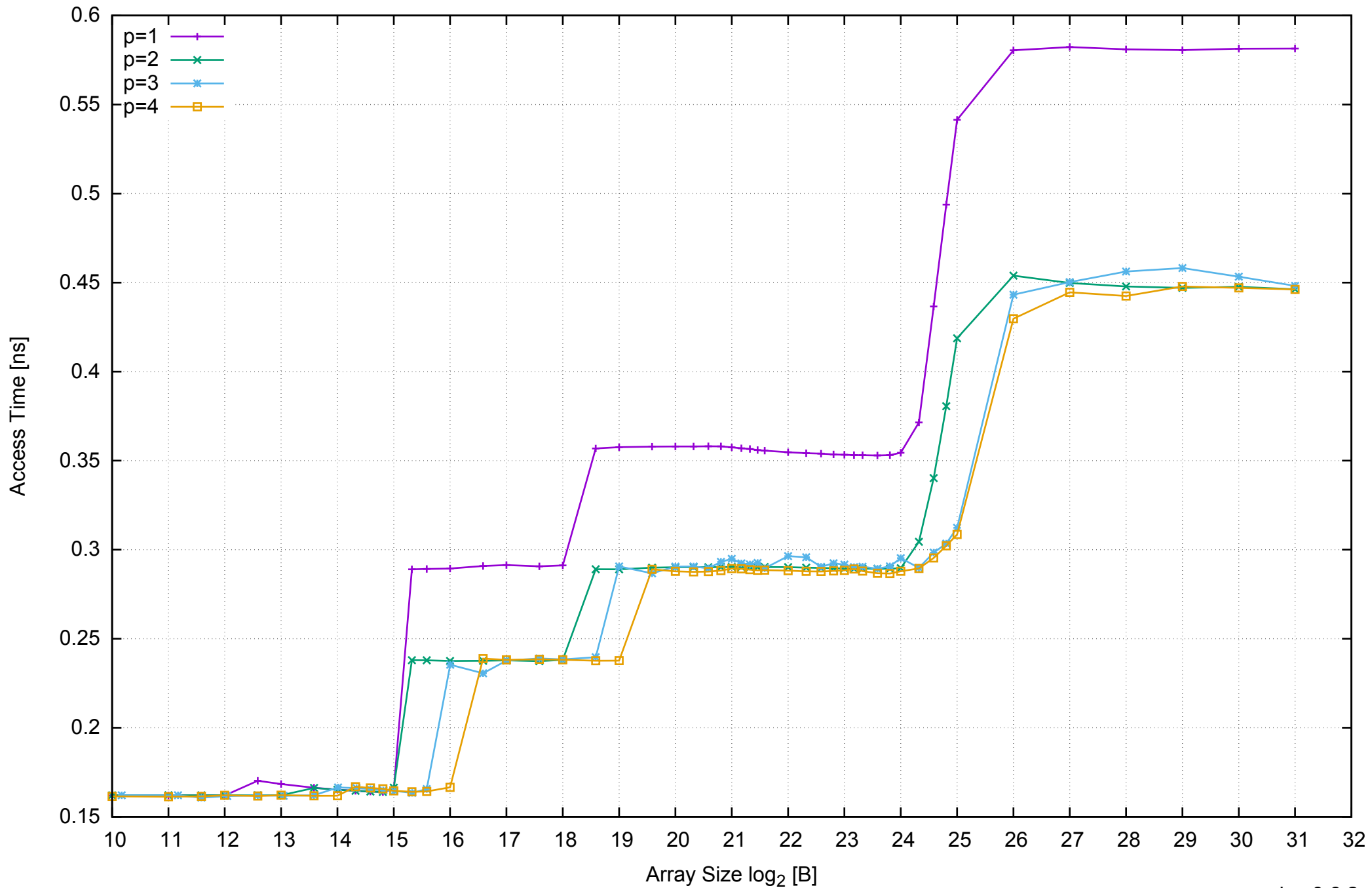




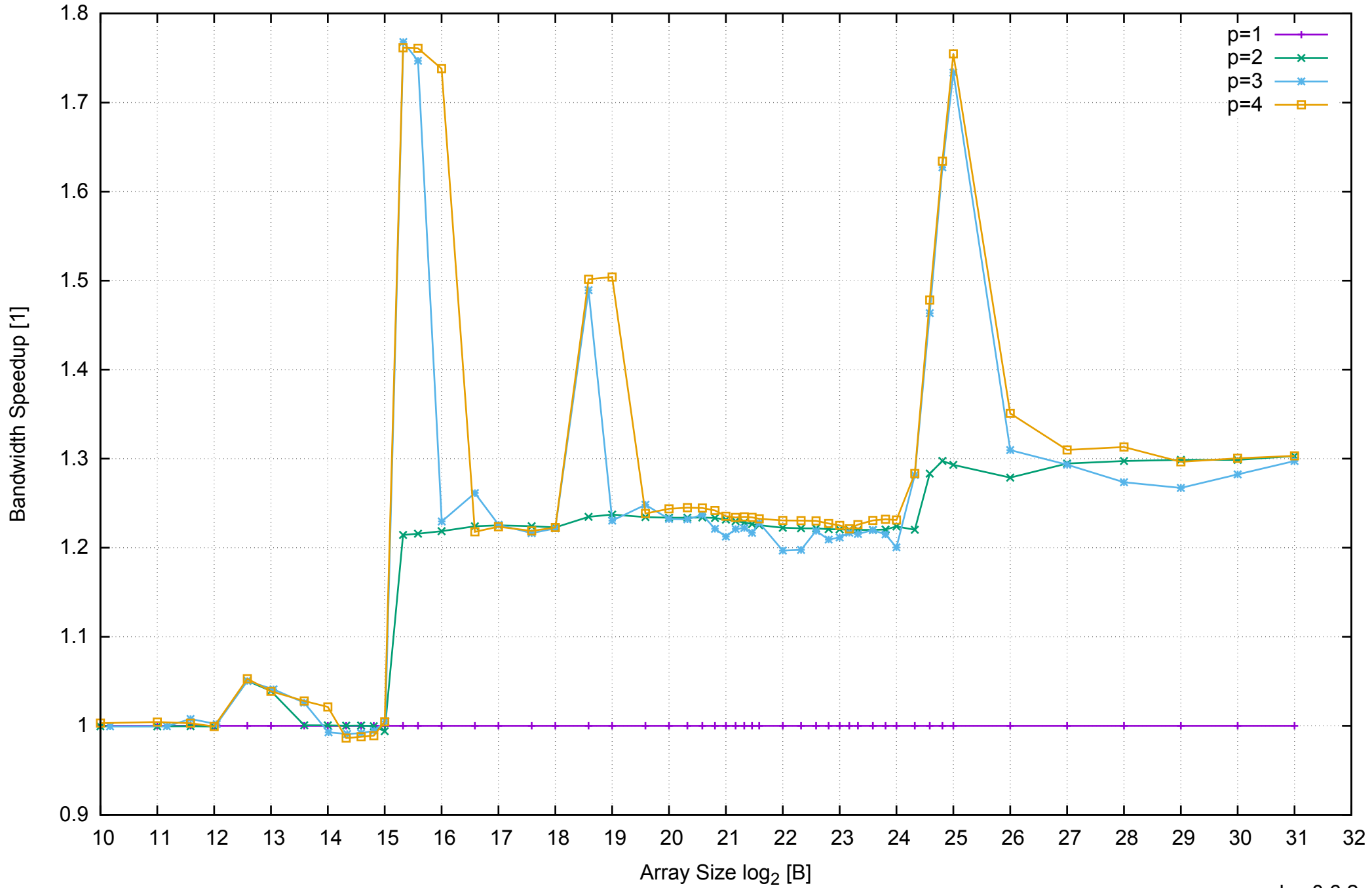
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead64IndexUnrollLoop

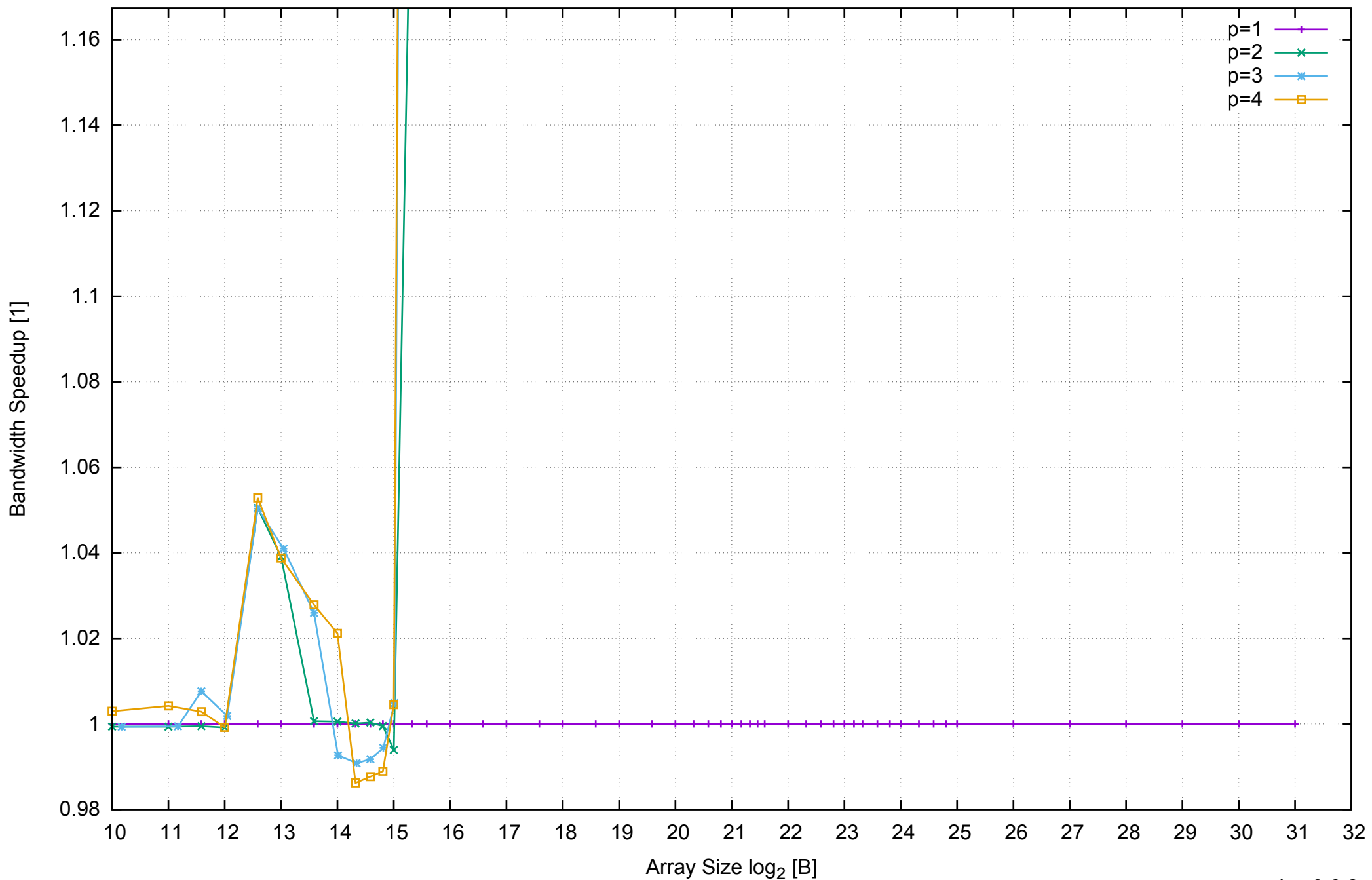


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead64IndexUnrollLoop

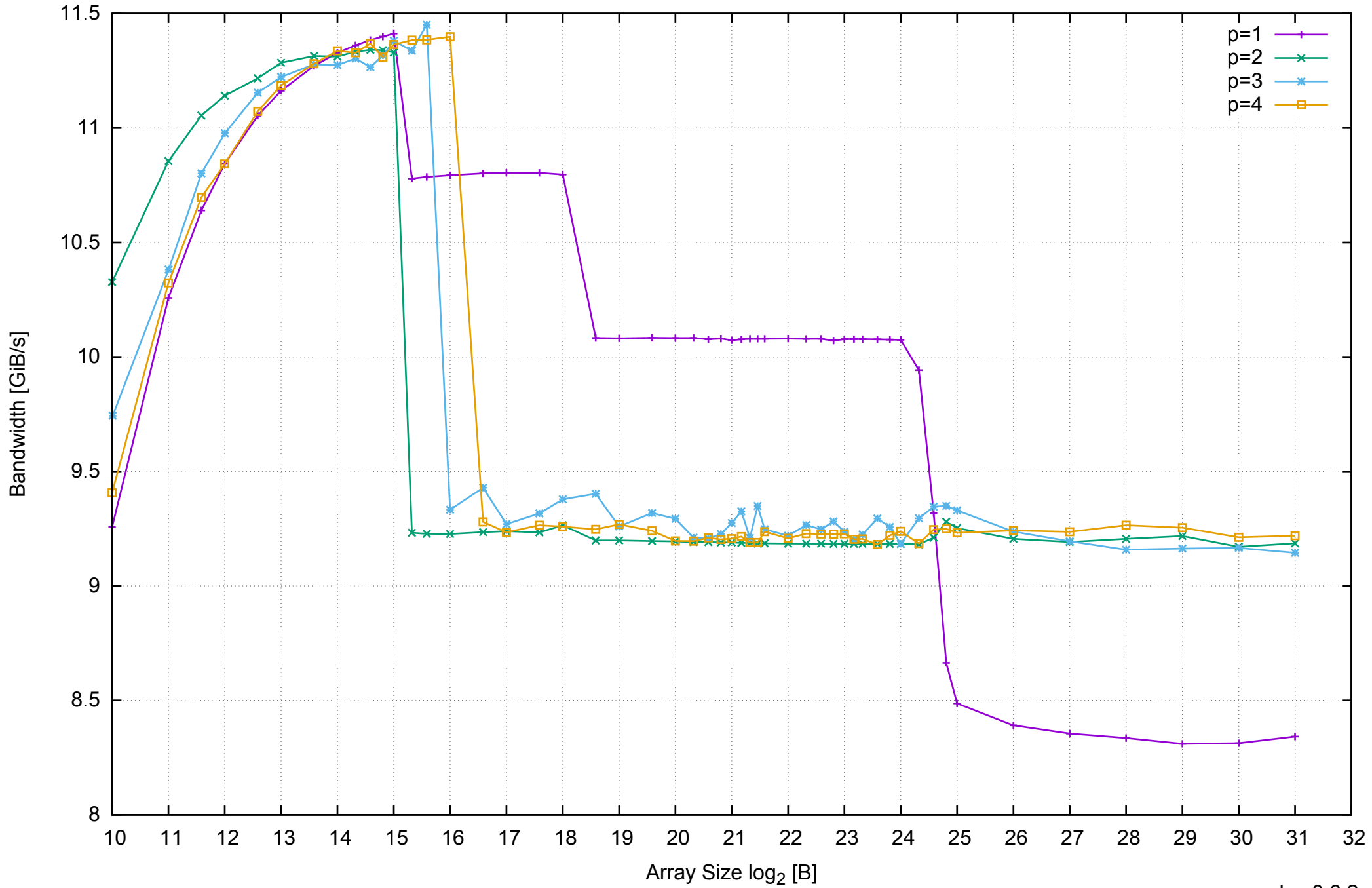


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speed of Parallel Memory Bandwidth - ScanRead64IndexUnrollLoop

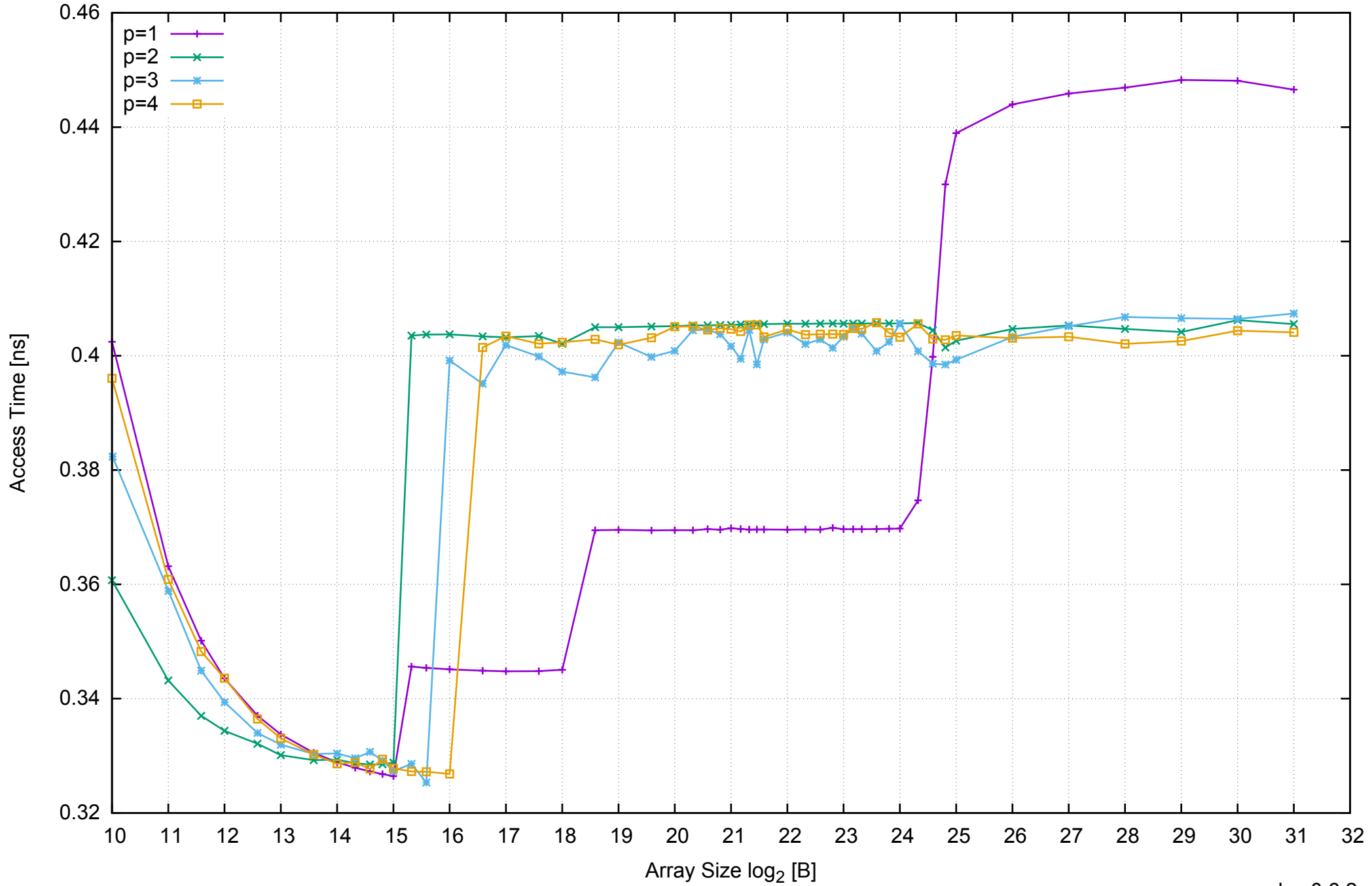




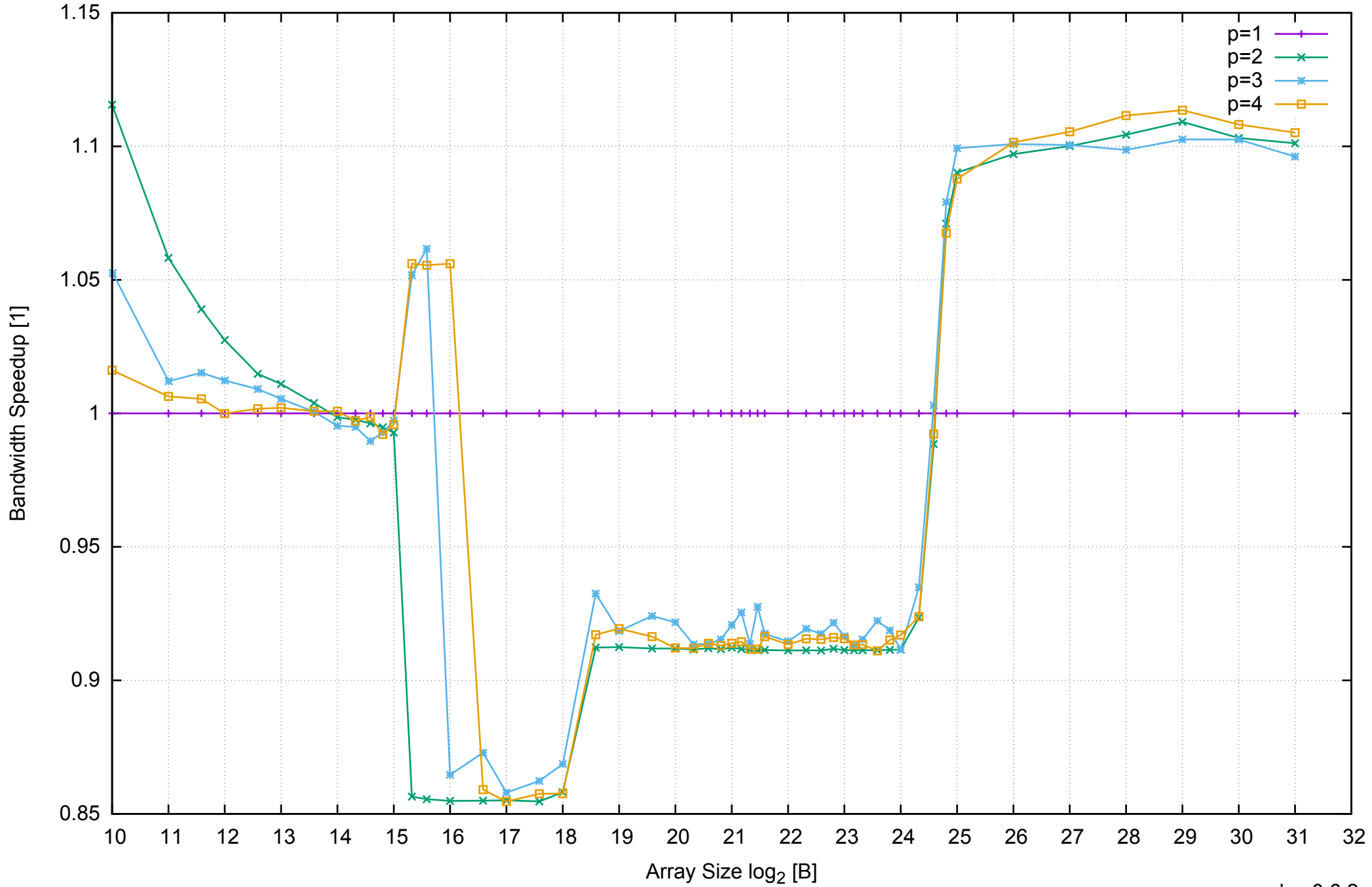
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop

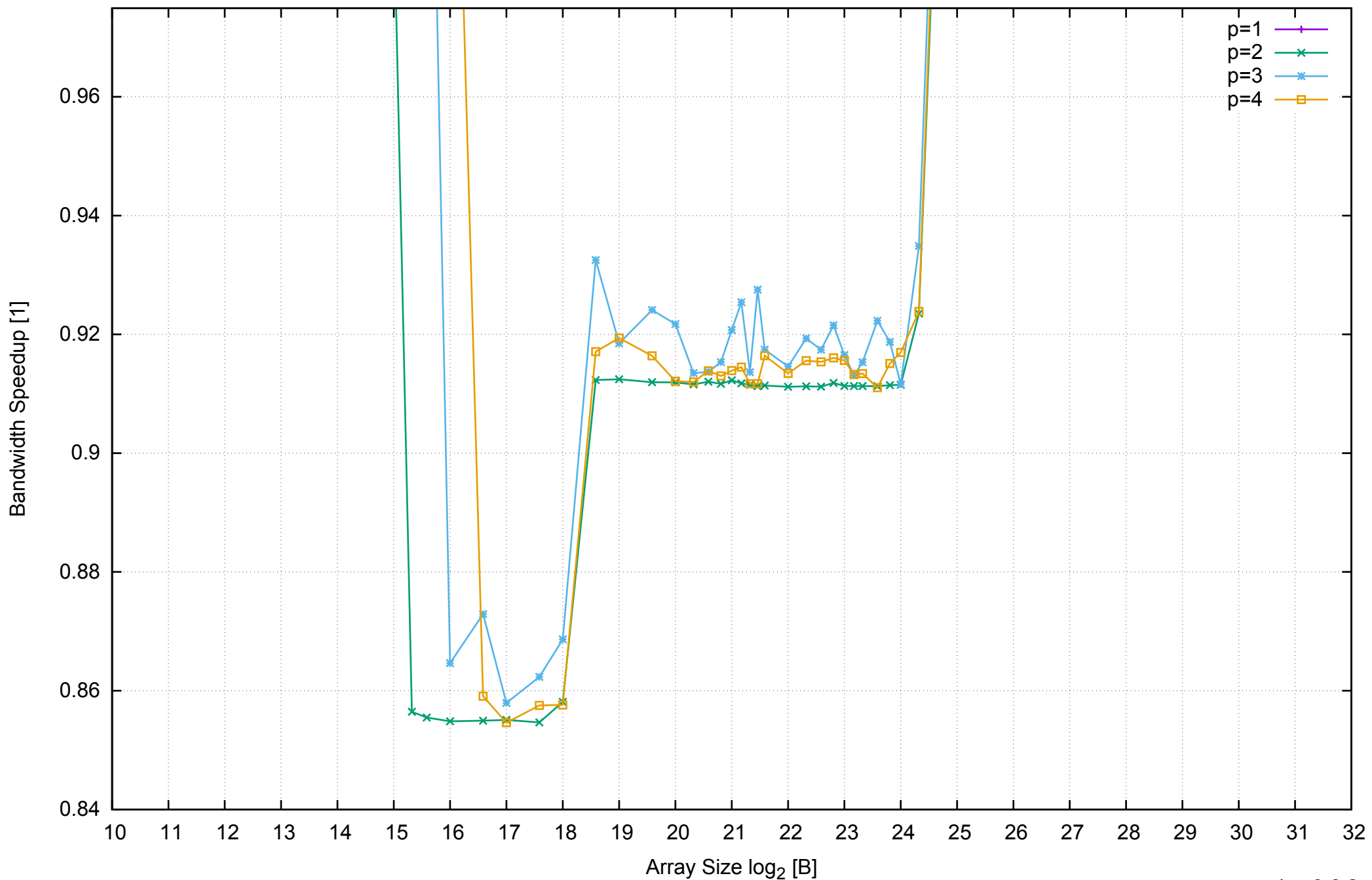


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite32PtrSimpleLoop



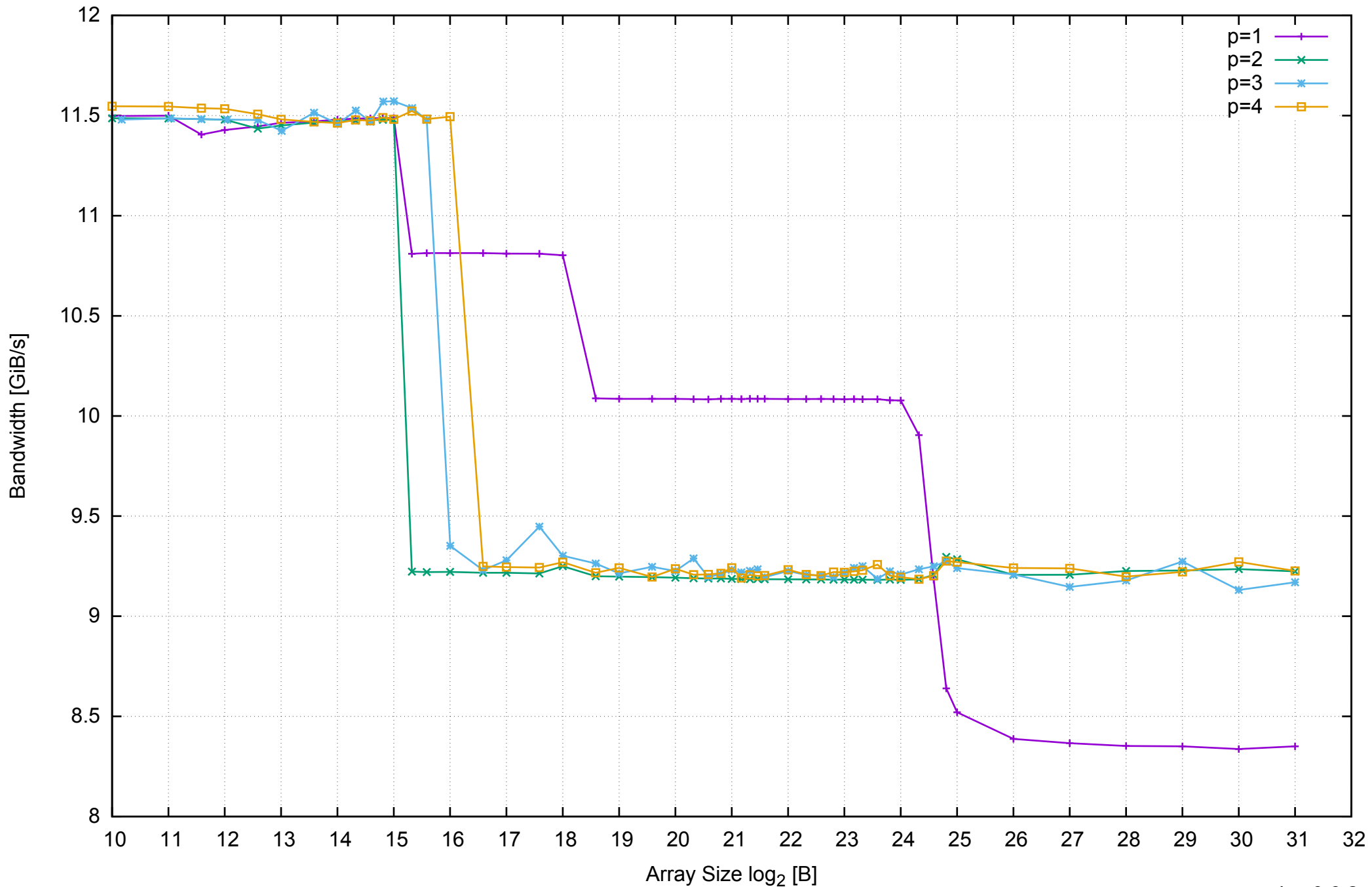
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop



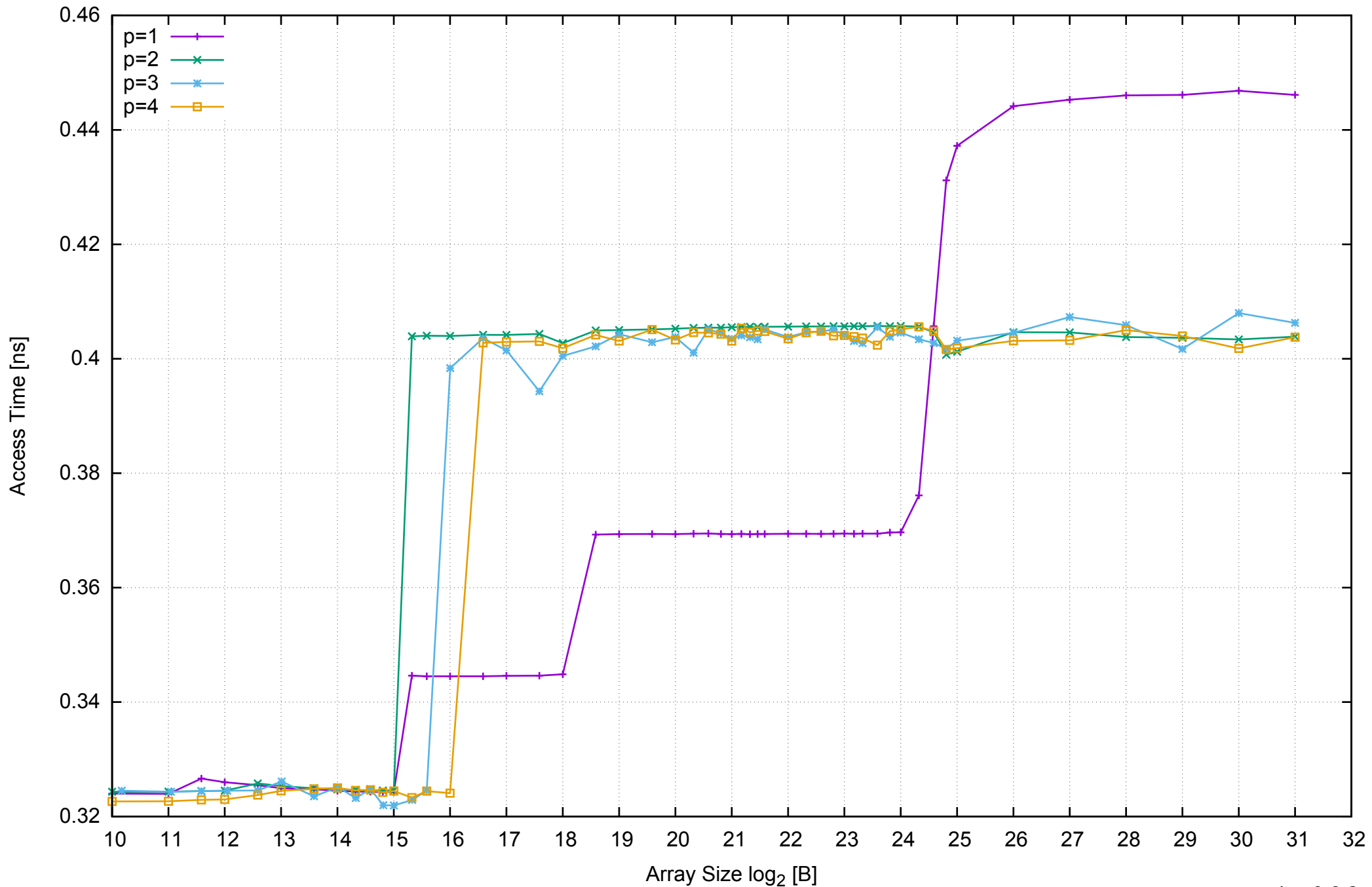




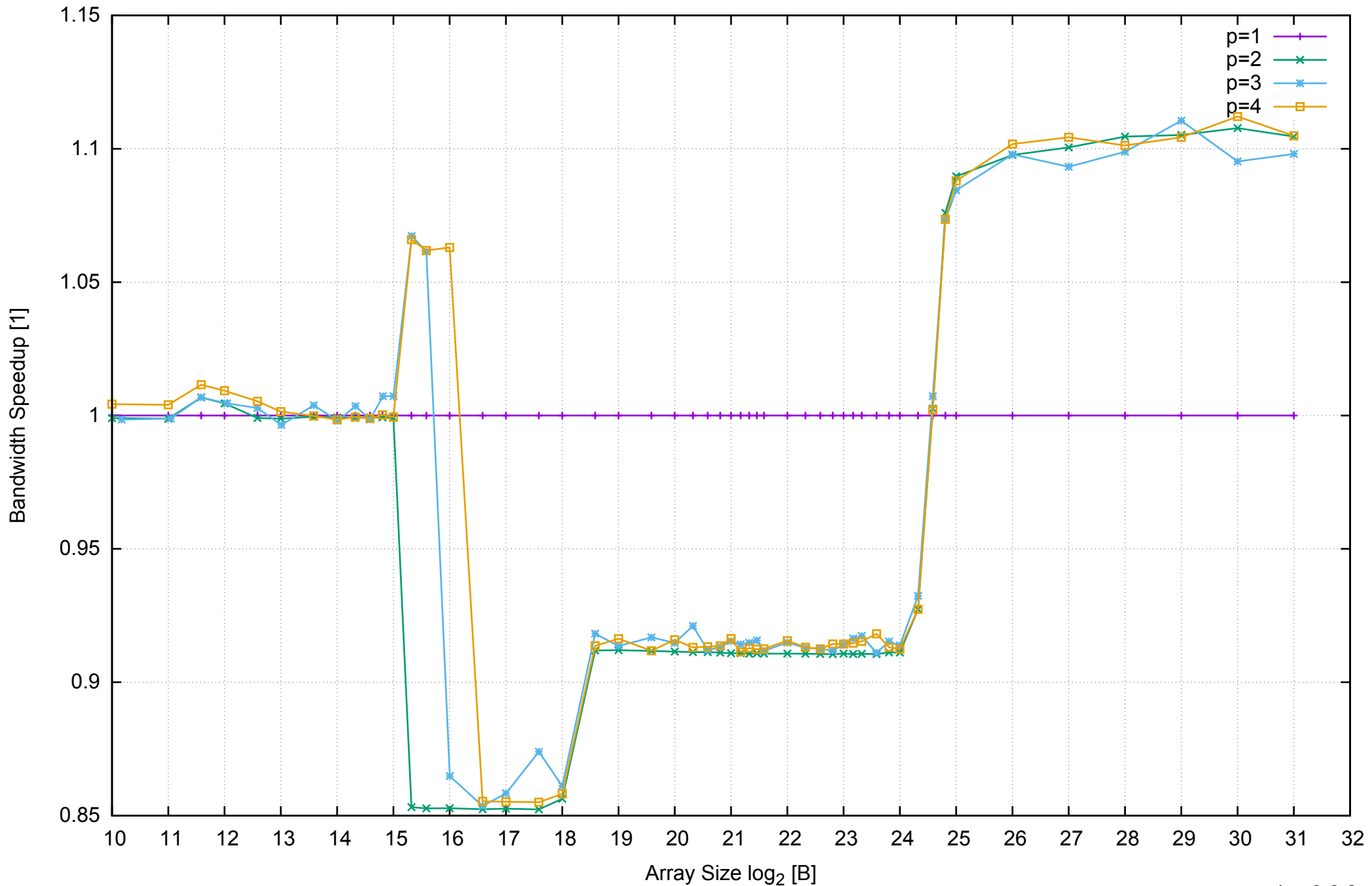
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop

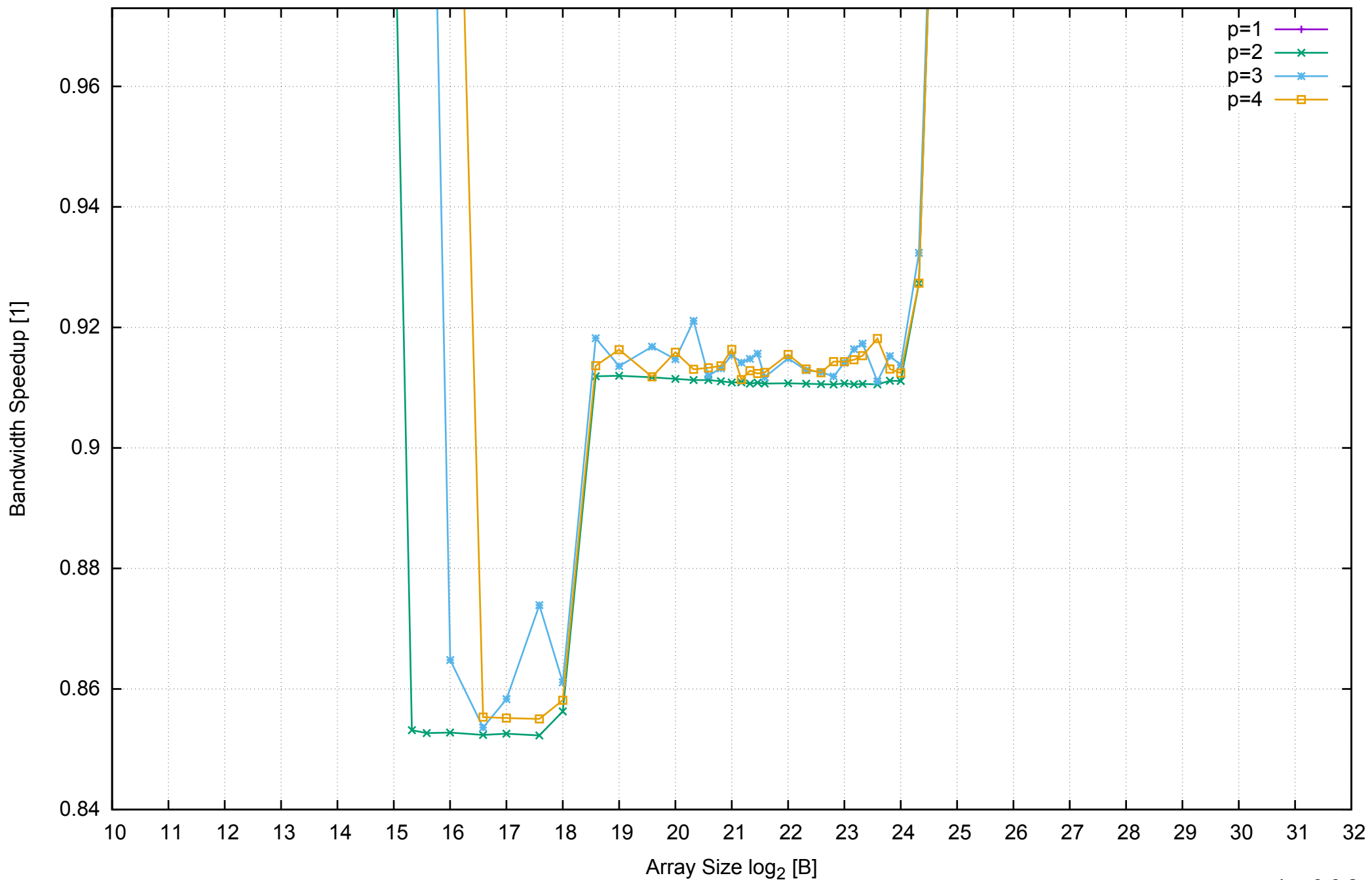


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanWrite32PtrUnrollLoop

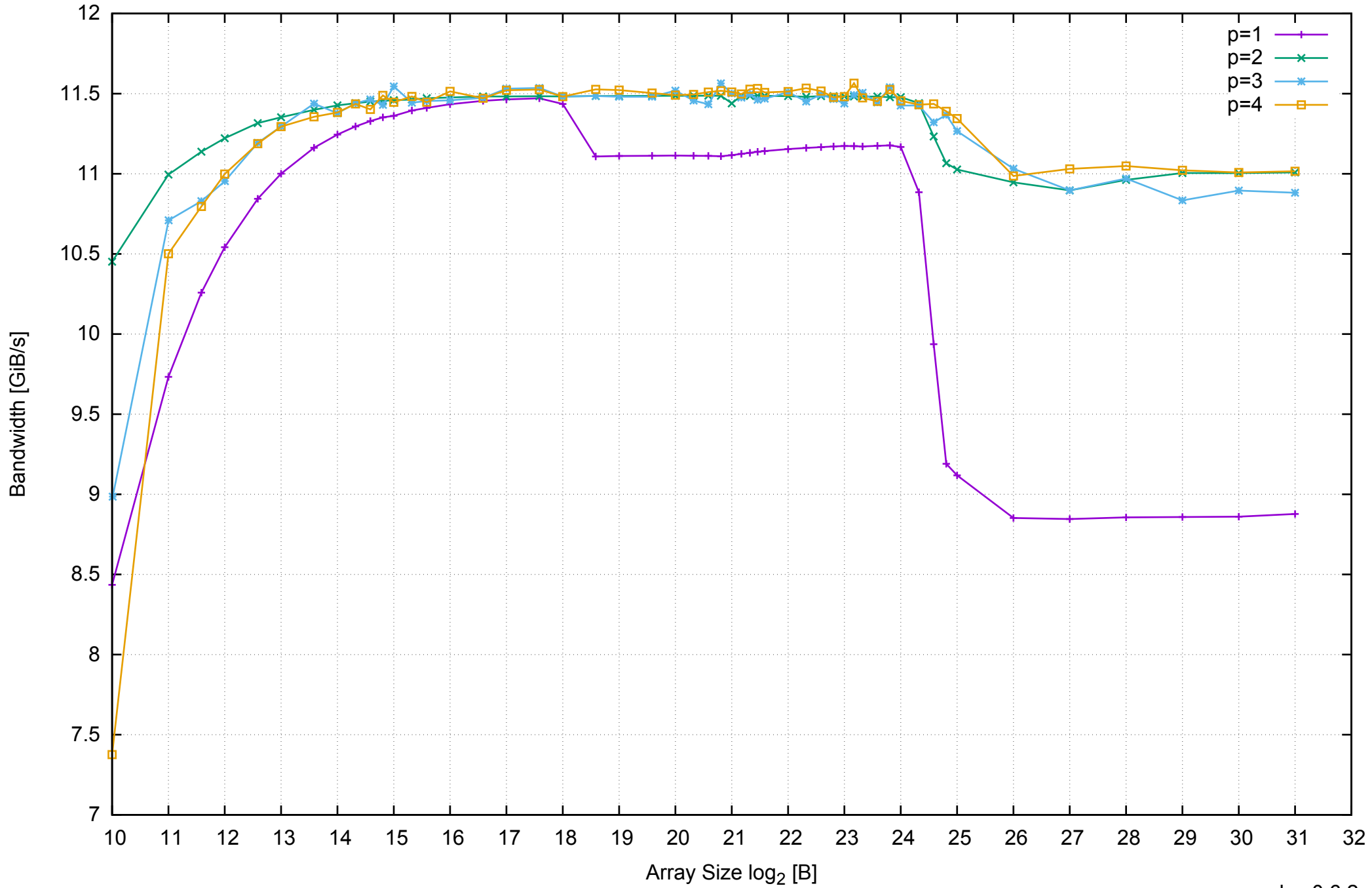


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop

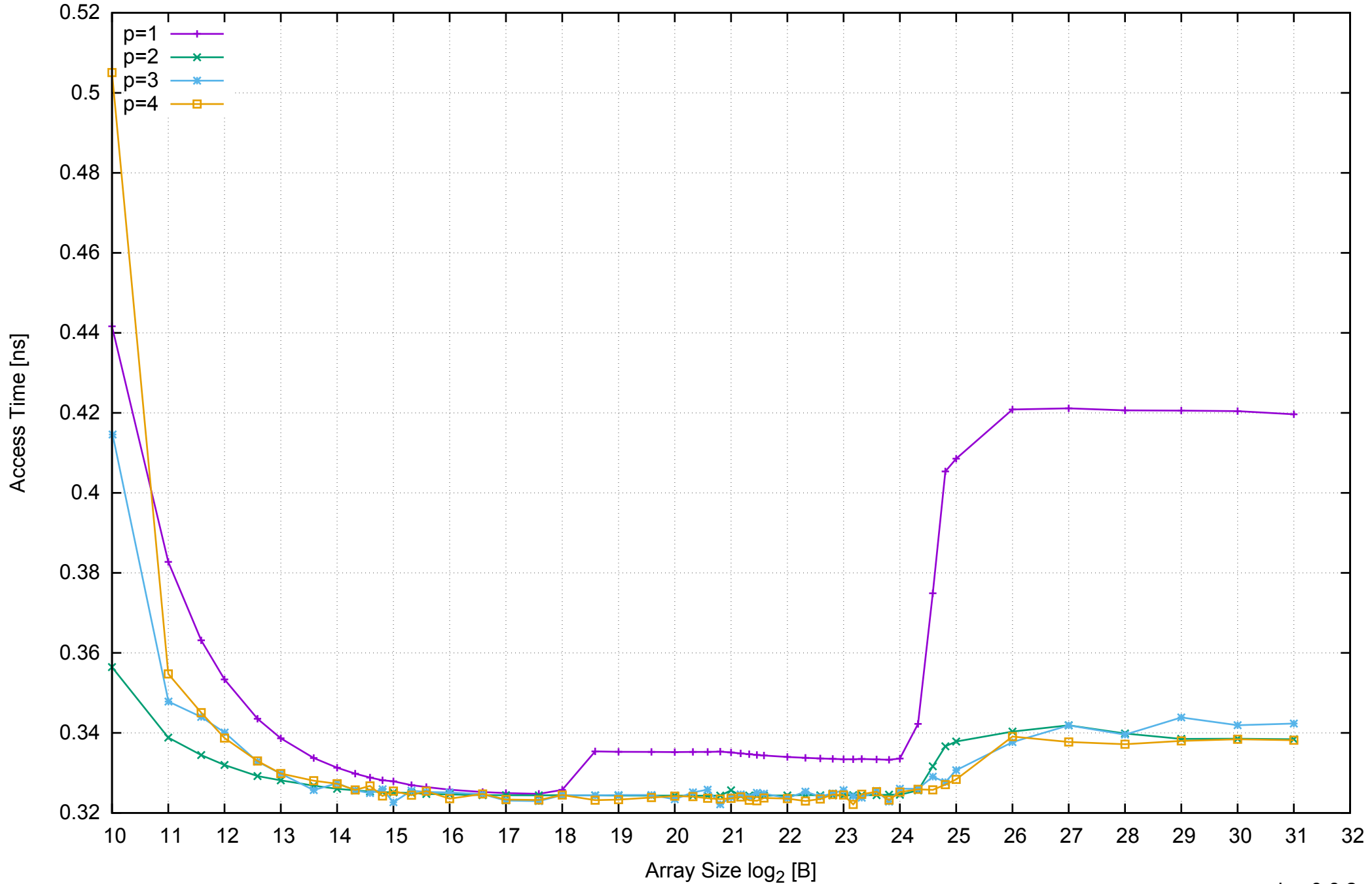




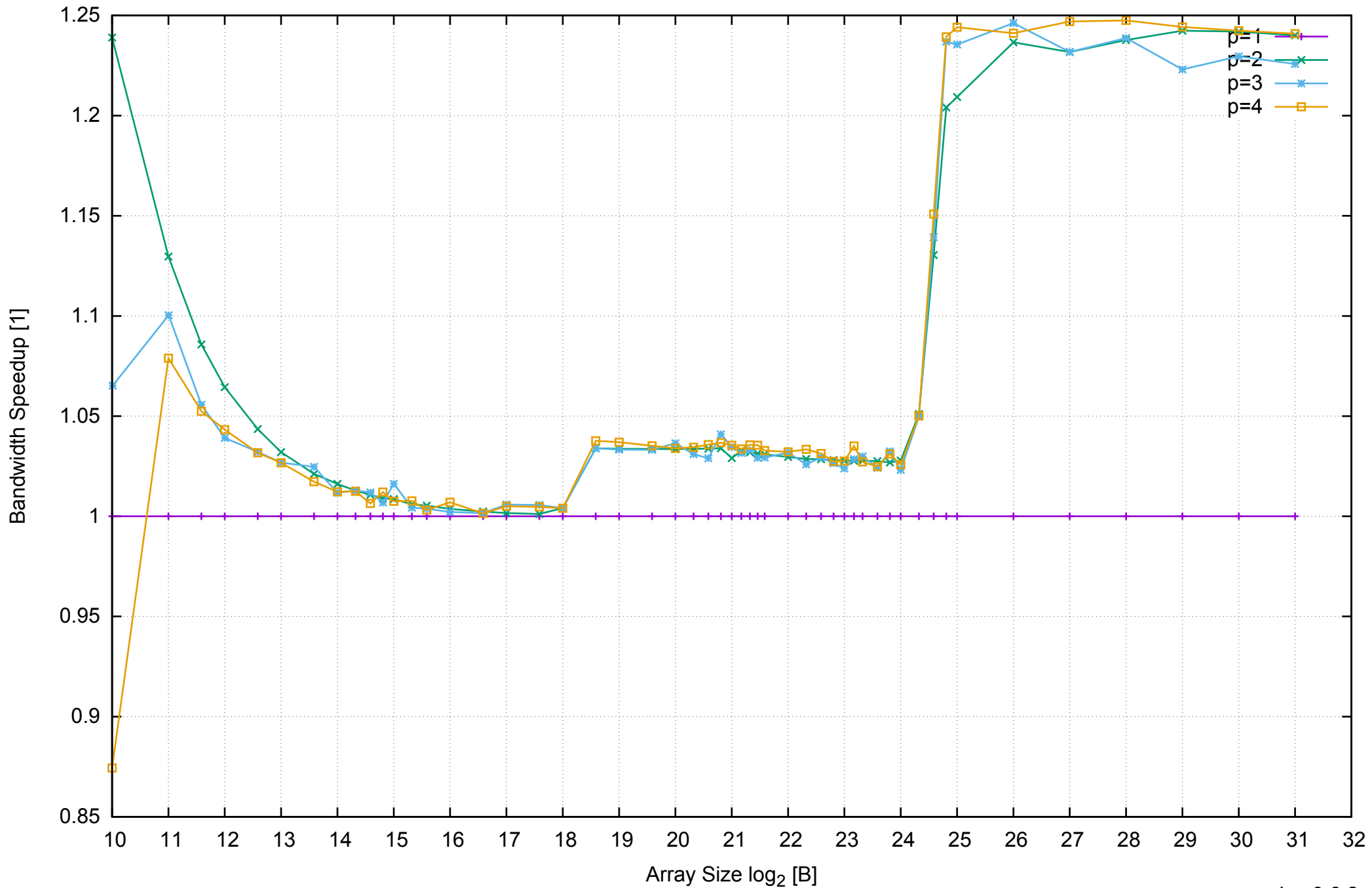
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop



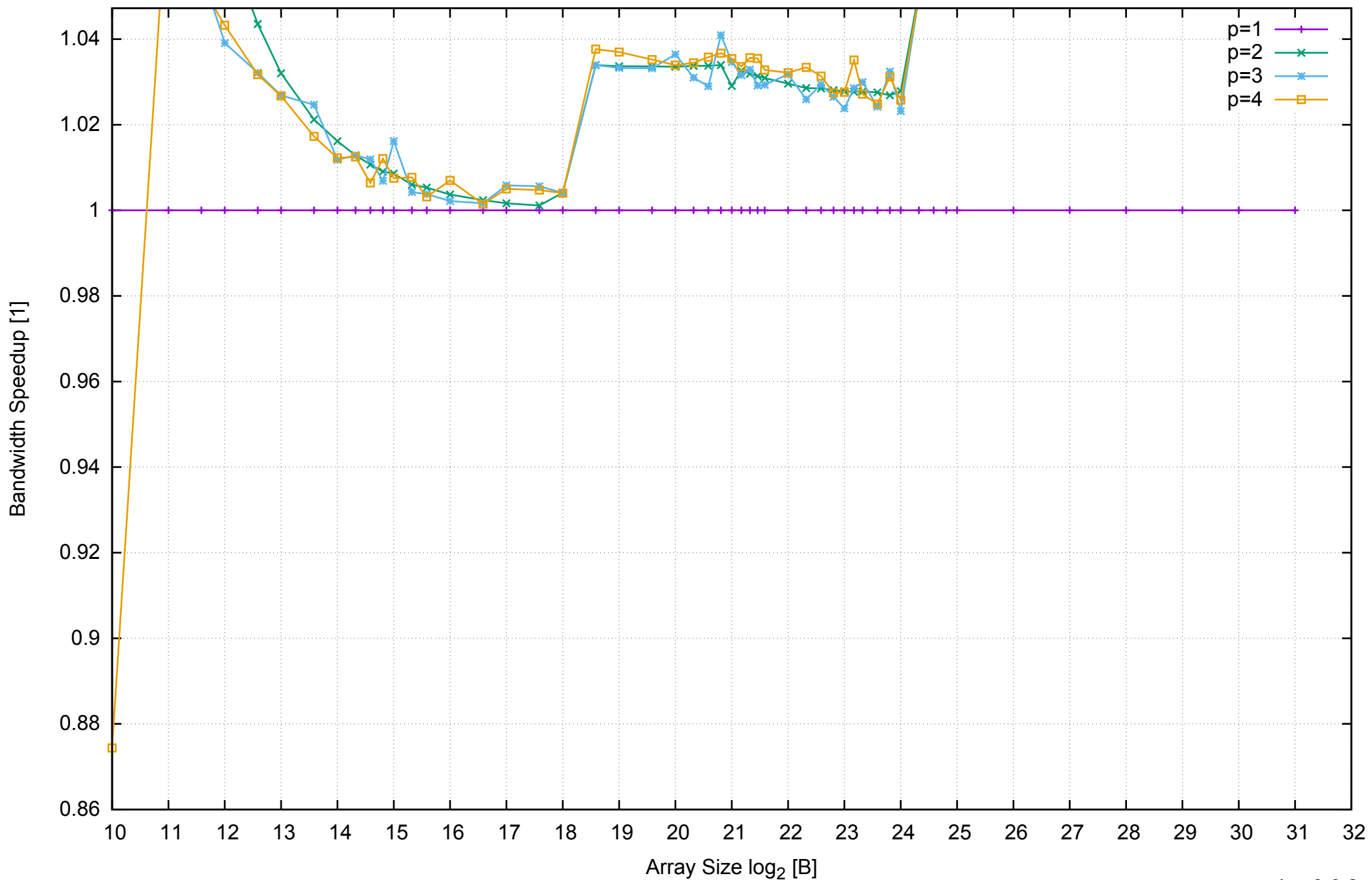
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead32PtrSimpleLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop

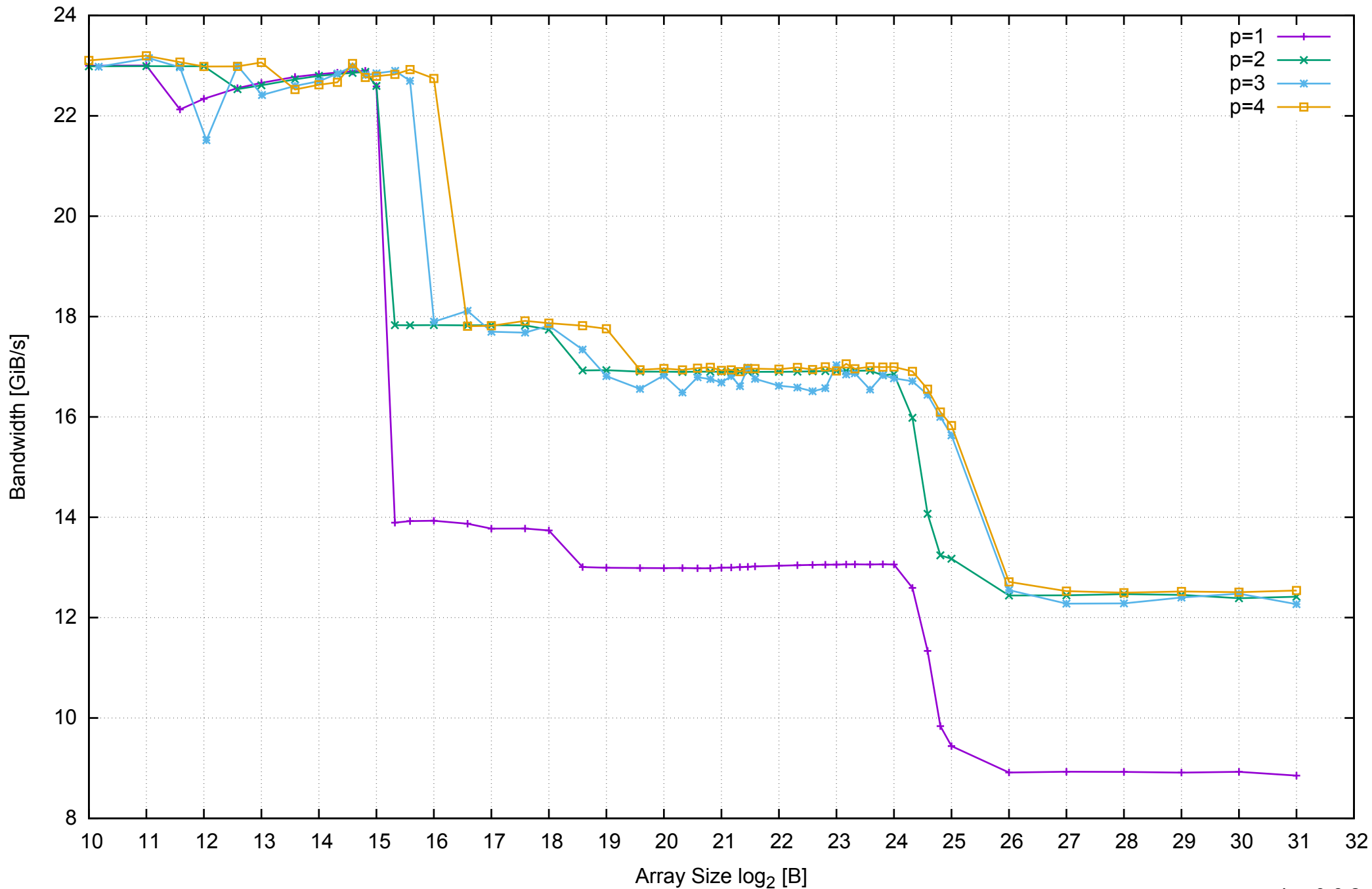


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrSimpleLoop

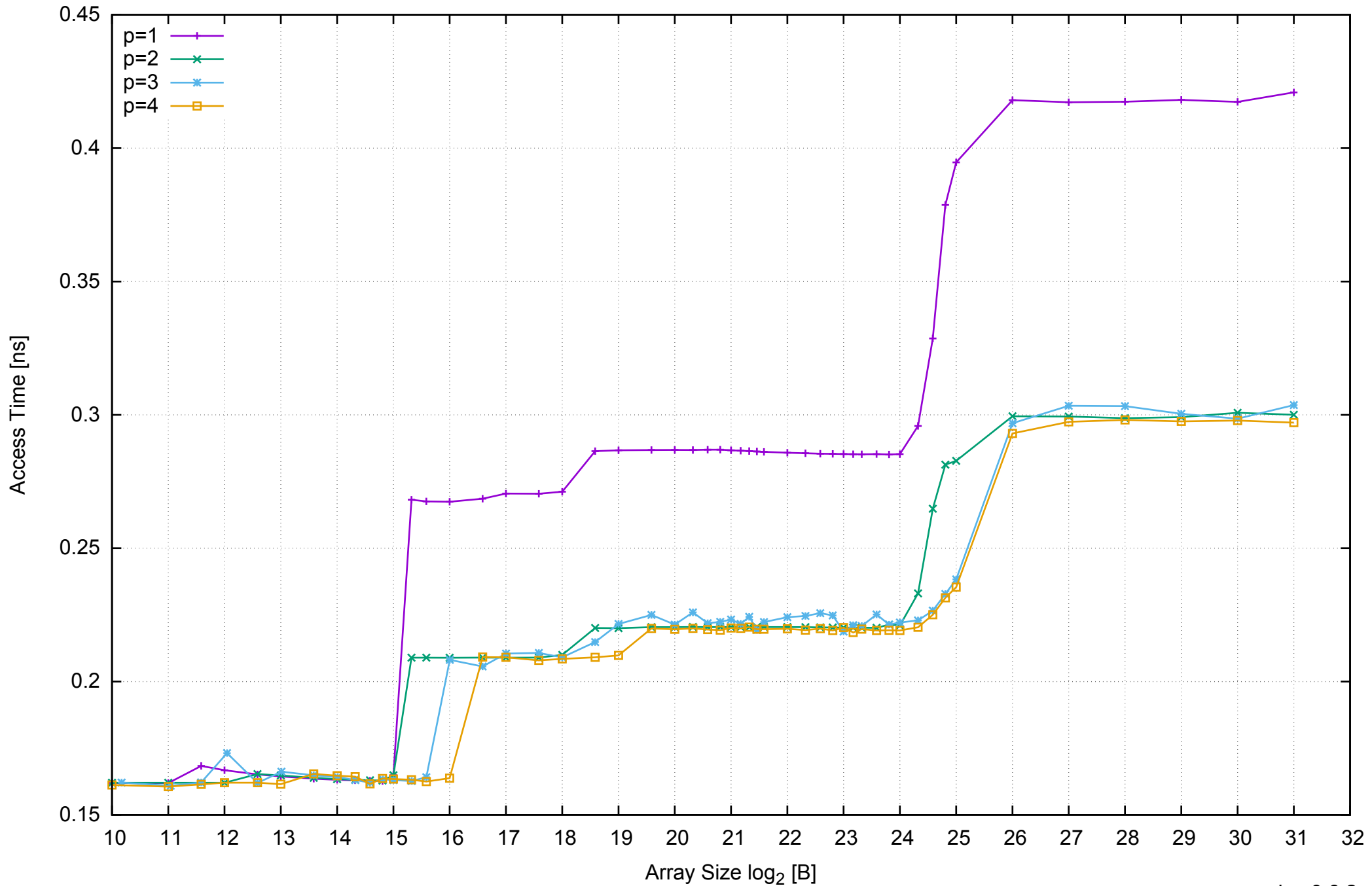




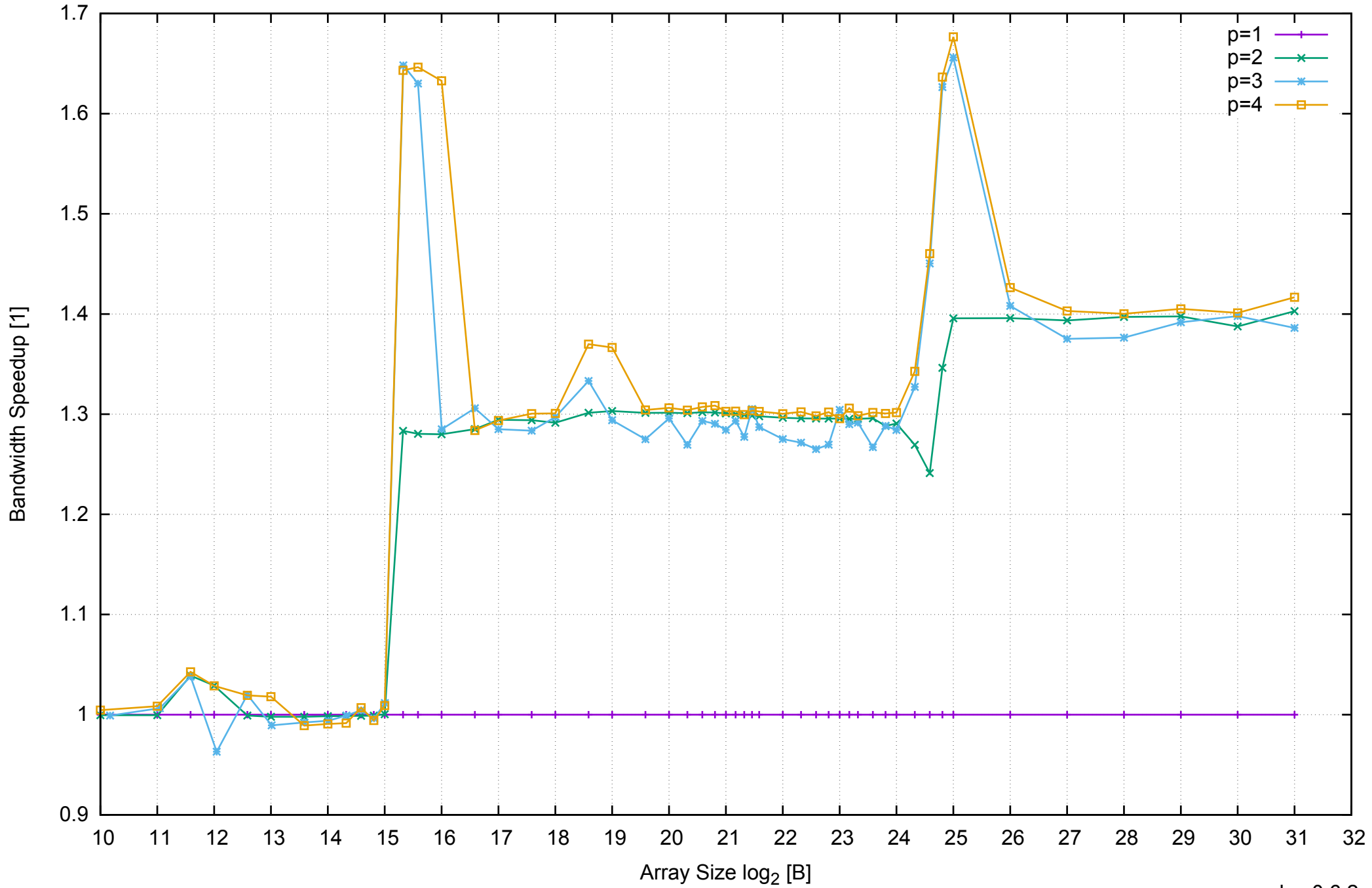
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop

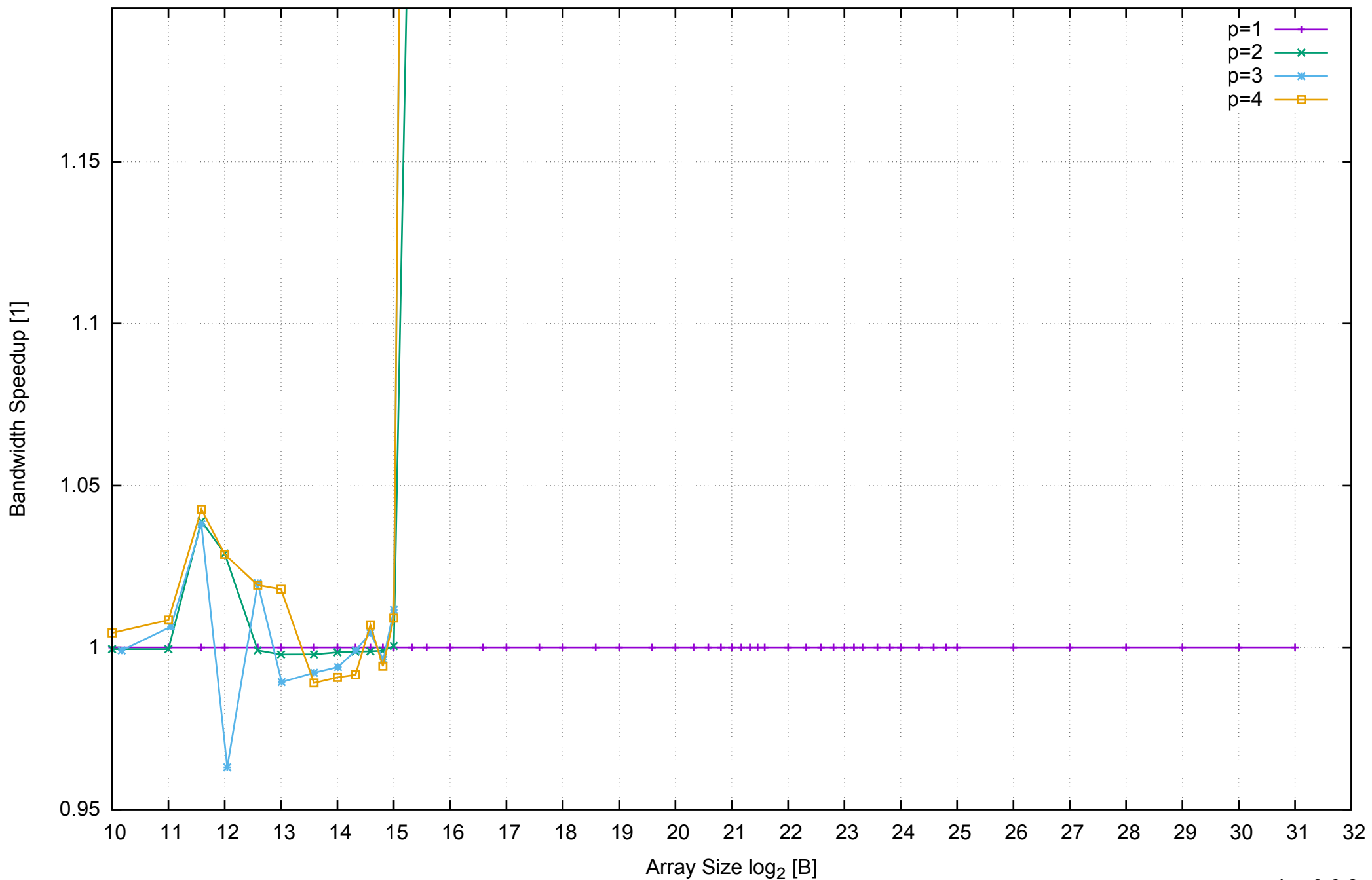


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - ScanRead32PtrUnrollLoop

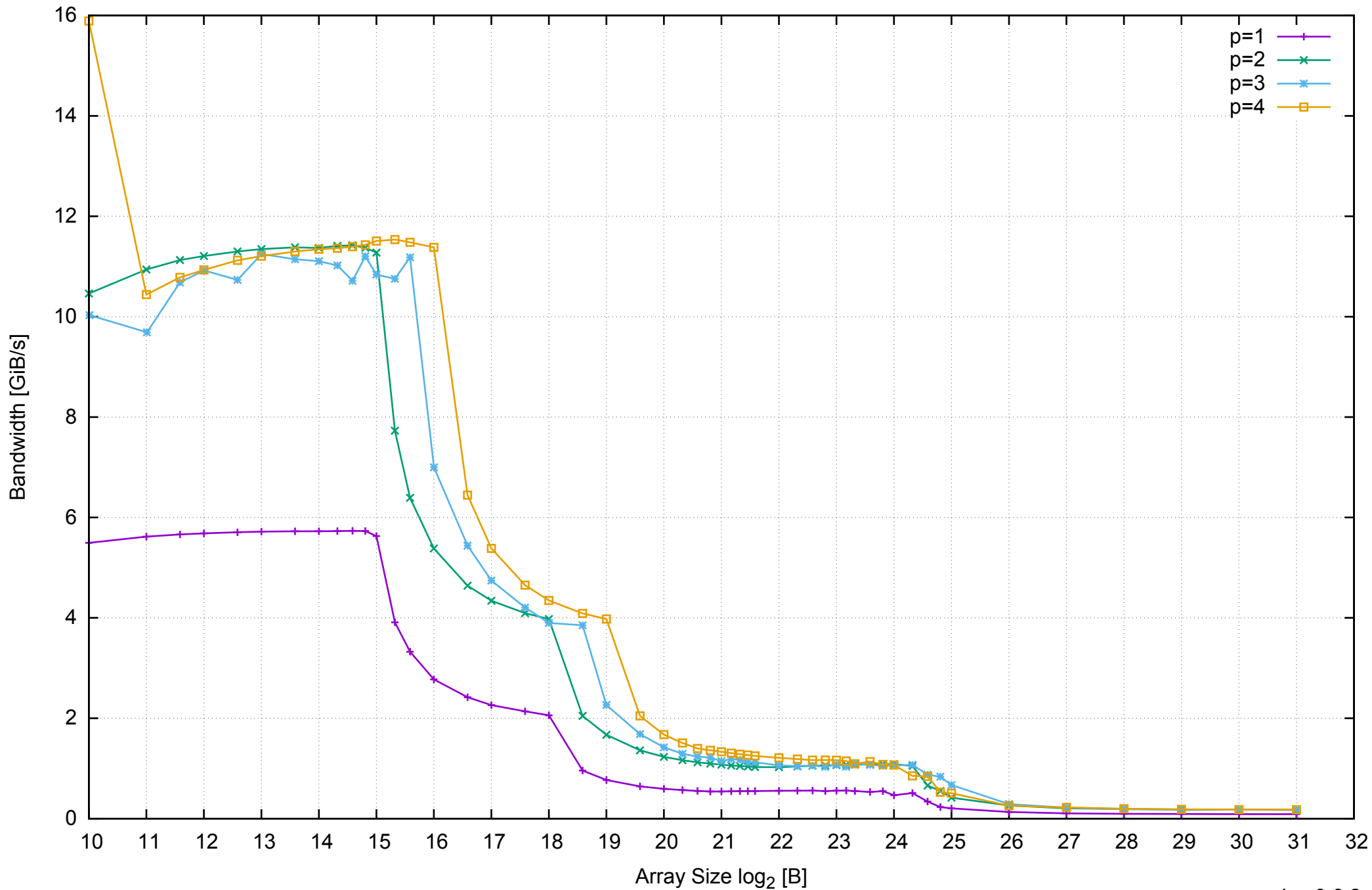


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop

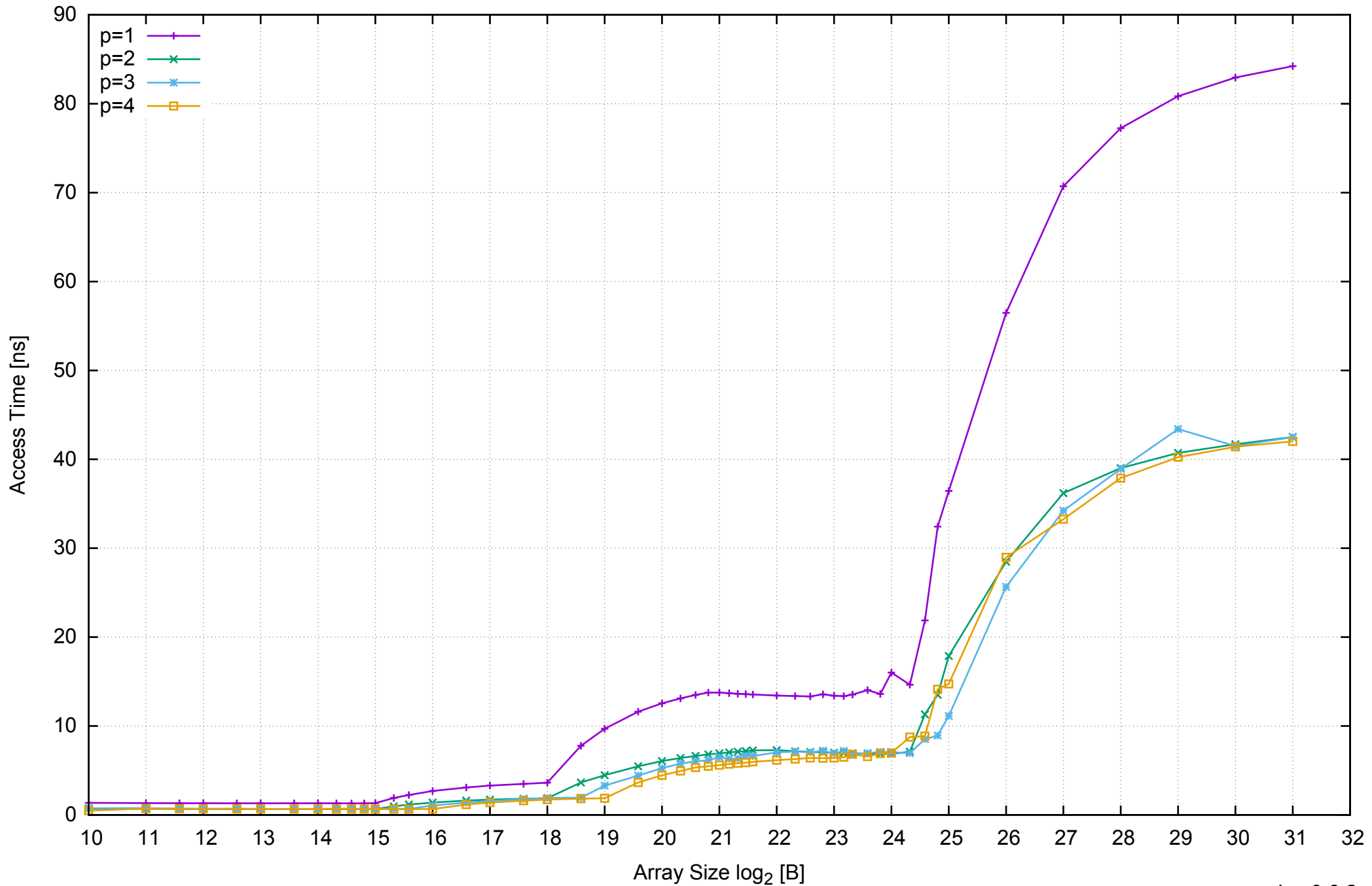




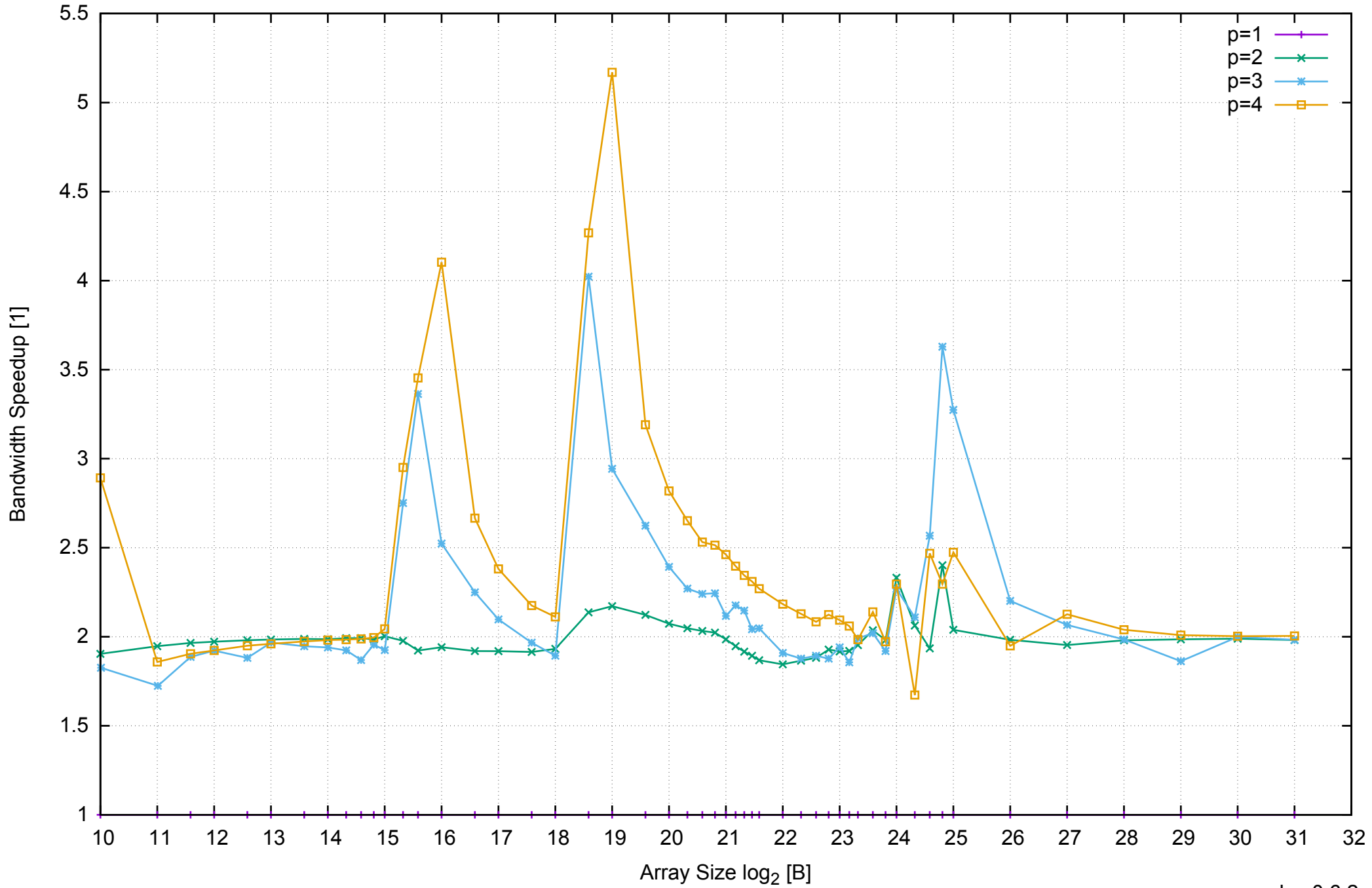
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - PermRead64SimpleLoop



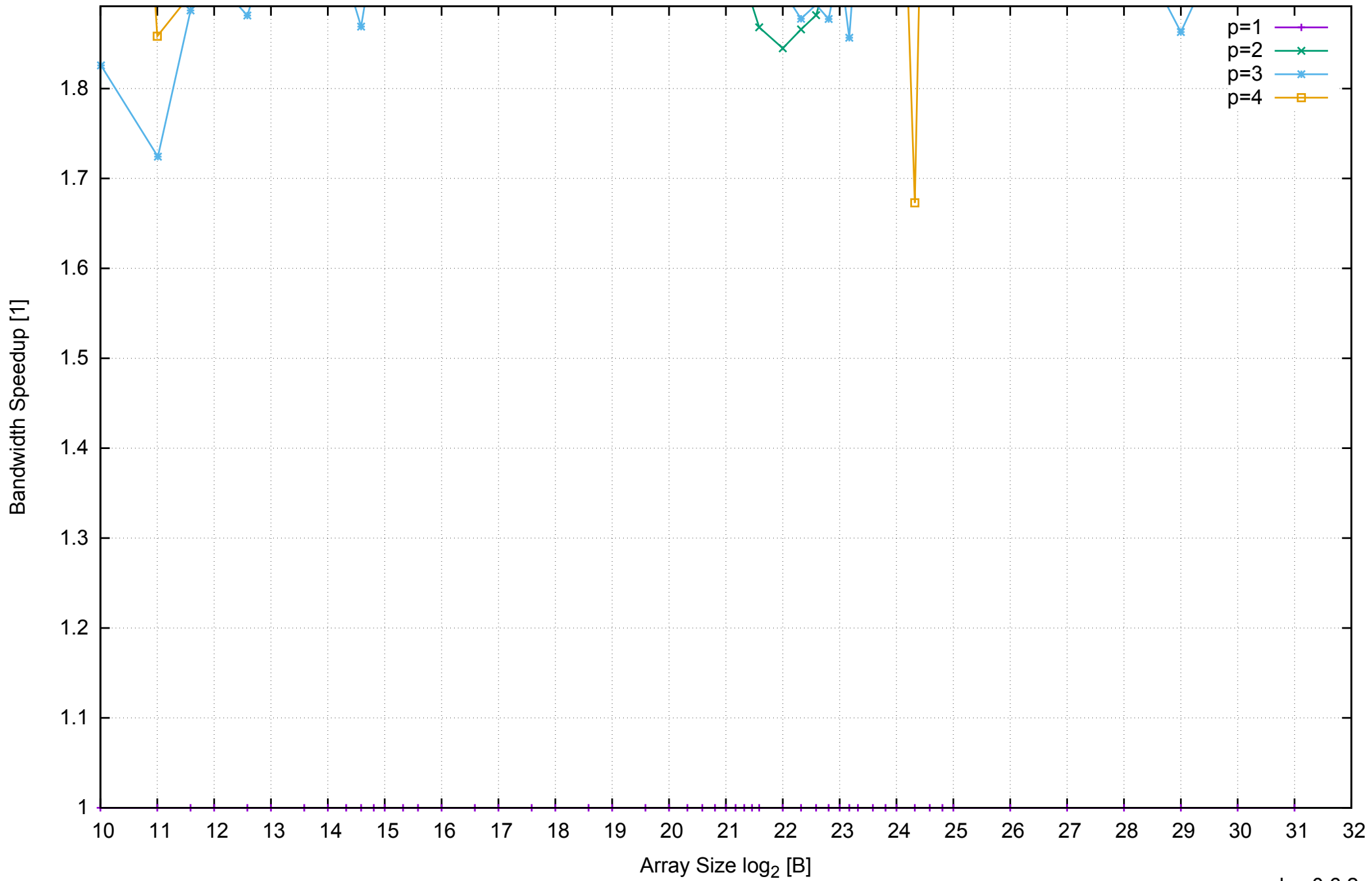
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - PermRead64SimpleLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - PermRead64SimpleLoop

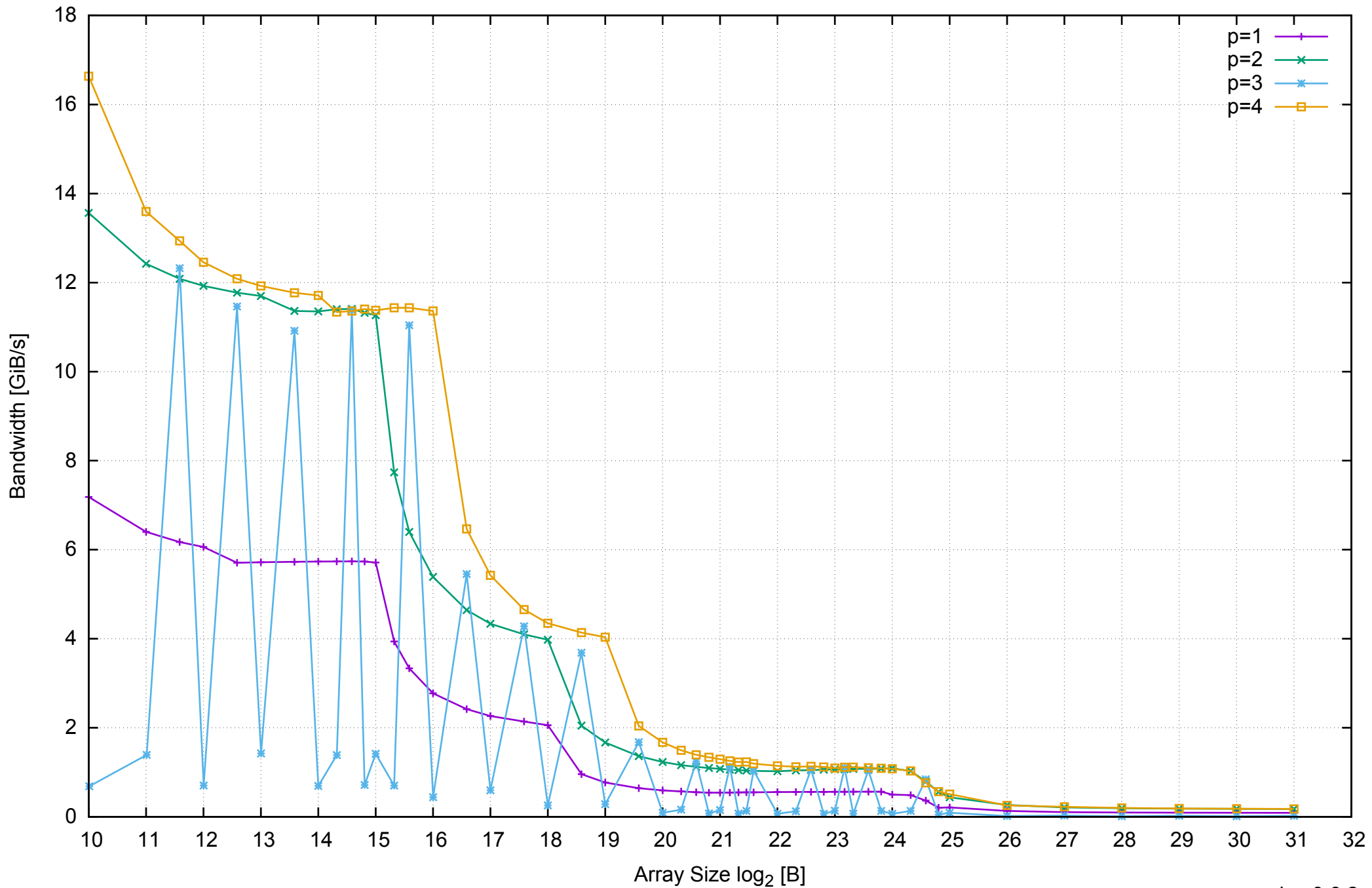


AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64SimpleLoop

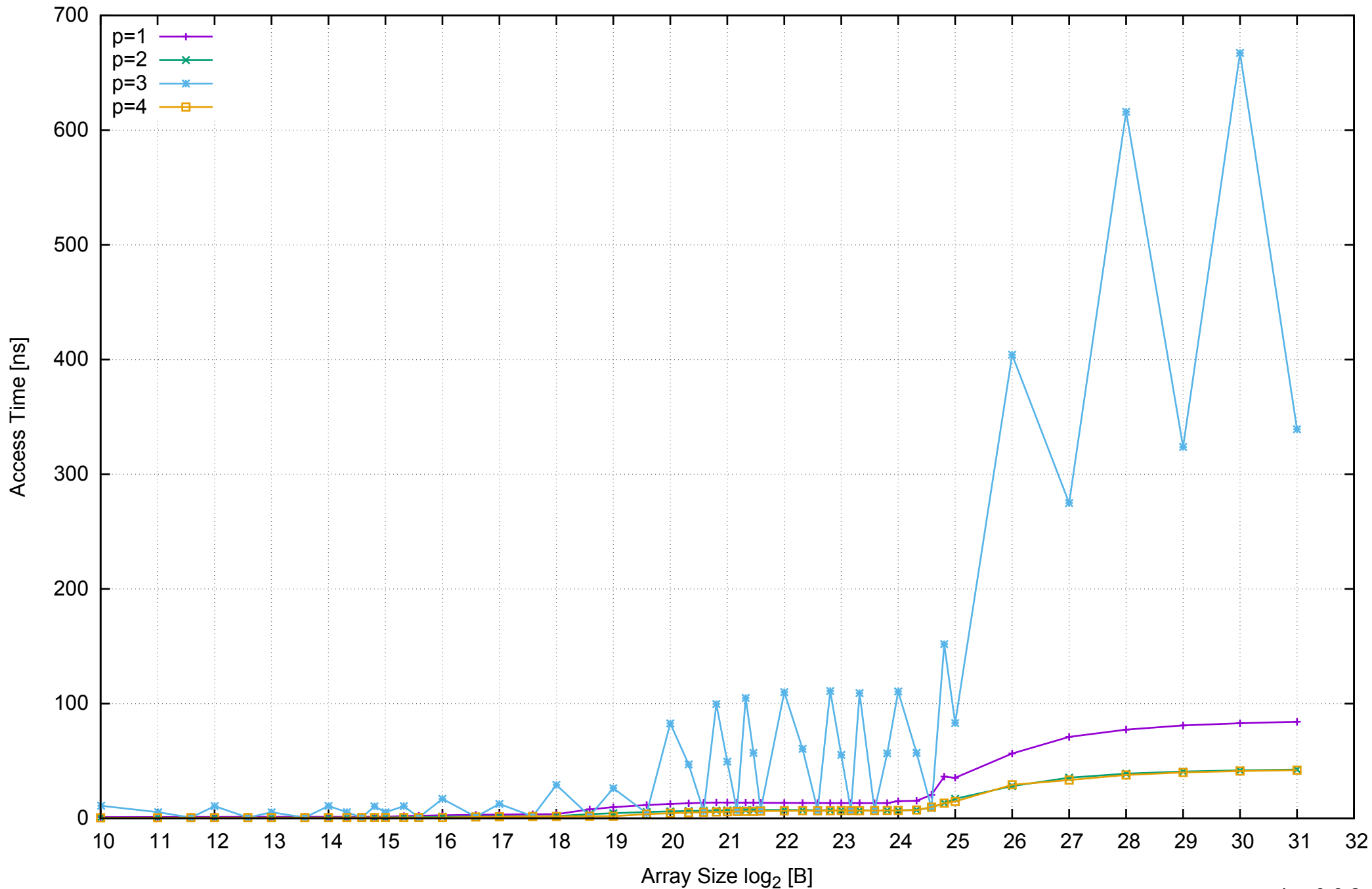




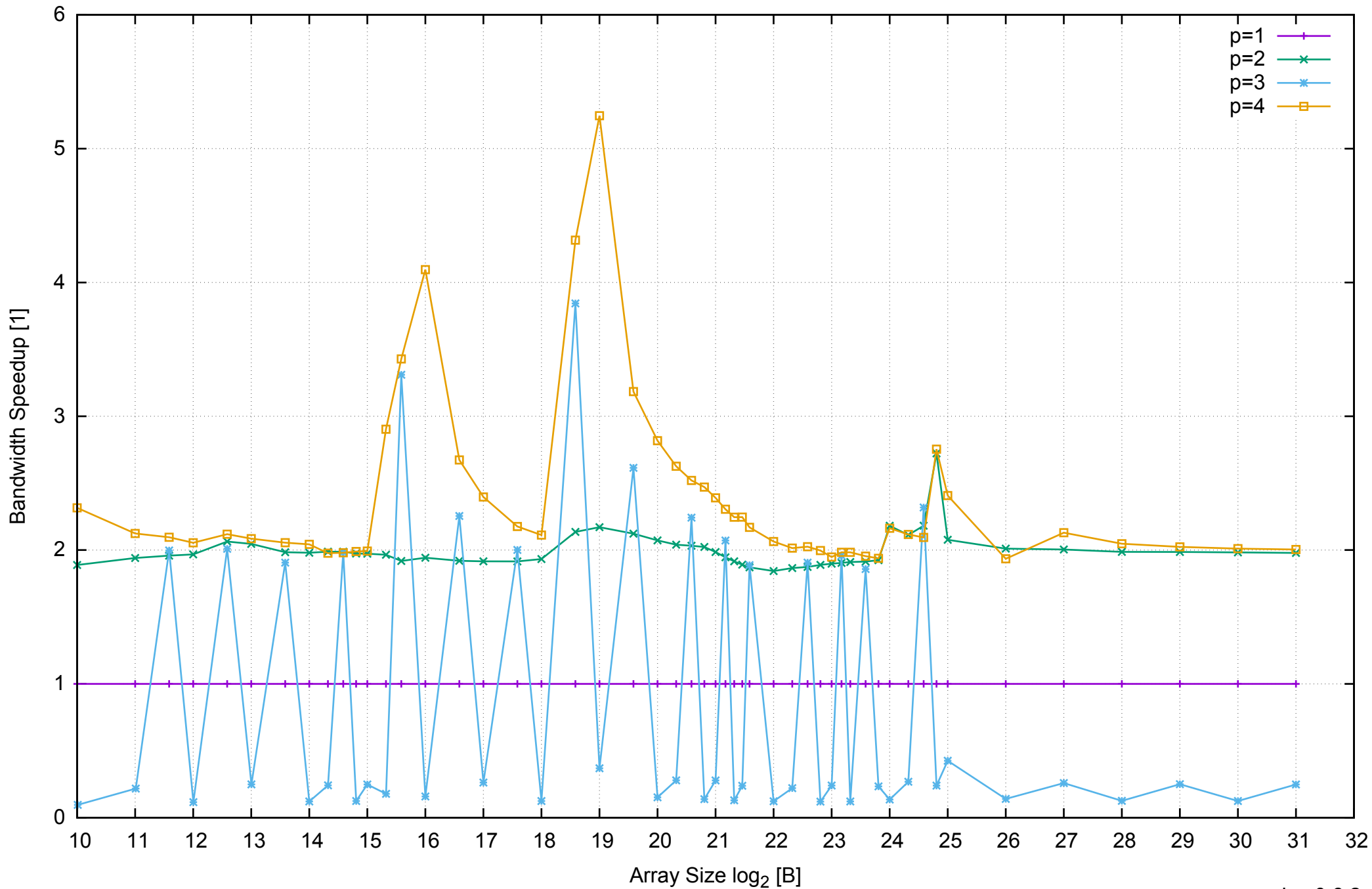
AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Bandwidth - PermRead64UnrollLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Parallel Memory Access Time - PermRead64UnrollLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth - PermRead64UnrollLoop



AWS c3.large Intel Xeon E-2680 2.80 GHz 3.75GB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64UnrollLoop

