Incast number	Egress bandwidth	Parameter	TCP TIMELY

10	25Mbps	double Alpha = 0.1;
		double AI = 1.0;
		double MD = 0.05;
		double Hth = 4500;
		double Lth = 500;
		double initial_rate = 5;
		uint32_t n = 5; // HAI
			99-percentile RTT: 9760 µs
			Median RTT: 4903 µs
			Average RTT: 5779.51 µs
			AVG queue occupancy: 18.1747 pkts
			AVG Throughput: 20.6877Mbps

15	75Mbps	double Alpha = 0.1;
		double AI = 1.0;
		double MD = 0.07;
		double Hth = 5000;
		double Lth = 500;
		double initial_rate = 5;
		uint32_t n = 5; // HAI
			99-percentile RTT: 7126 µs
			Median RTT: 5643 µs
			Average RTT: 5771.05 µs
			AVG queue occupancy: 7.94487 pkts
			AVG Throughput: 48.8636Mbps

15	75Mbps	double Alpha = 0.1;
		double AI = 2.0;
		double MD = 0.13;
		double Hth = 30000;
		double Lth = 2000;
		double initial_rate = 7;
		uint32_t n = 4; // HAI
			99-percentile RTT: 63098 µs
			Median RTT: 39287 µs
			Average RTT: 39038.4 µs
			AVG queue occupancy: 183.895 pkts
			AVG Throughput: 56.9909Mbps

10	50Mbps	double Alpha = 0.1;
		double AI = 1.0;
		double MD = 0.5;
		double Hth = 5500;
		double Lth = 2000;
		double initial_rate = 5;
		uint32_t n = 5; // HAI
			99-percentile RTT: 7106 µs
			Median RTT: 5747 µs
			Average RTT: 5761.27 µs
			AVG queue occupancy: 7.60856 pkts
			AVG Throughput: 35.1158Mbps

Compare to DCTCP	Compare to Vegas
99-percentile RTT: 309108 Median RTT: 252120 Average RTT: 246911 AVG queue occupancy: 1083.78 AVG Throughput: 19.9709Mbps	99-percentile RTT: 39112 Median RTT: 25787 Average RTT: 26334.1 AVG queue occupancy:109.797 AVG Throughput:20.6897Mbps
99-percentile RTT: 177691 µs Median RTT: 112438 µs Average RTT: 107753 µs AVG queue occupancy: 624.938 pkts AVG Throughput: 57.5427Mbps	99-percentile RTT: 26038 µs Median RTT: 12849 µs Average RTT: 13089.1 µs AVG queue occupancy: 12.7347 pkts AVG Throughput: 49.9626Mbps
99-percentile RTT: 177691 µs Median RTT: 112438 µs Average RTT: 107753 µs AVG queue occupancy: 624.938 pkts AVG Throughput: 57.5427Mbps	99-percentile RTT: 26038 µs Median RTT: 12849 µs Average RTT: 13089.1 µs AVG queue occupancy: 12.7347 pkts AVG Throughput: 49.9626Mbps
99-percentile RTT: 320049 µs Median RTT: 166124 µs Average RTT: 163713 µs AVG queue occupancy: 619.286 pkts AVG Throughput: 37.9978Mbps	99-percentile RTT: 30136 µs Median RTT: 11570 µs Average RTT: 12367.2 µs AVG queue occupancy: 14.5331 pkts AVG Throughput: 35.9428Mbps

Comment
Generally better performance than DCTCP and Vegas
With similar throughput as Vegas, tail RTT is 3x samller
With similar throughput as DCTCP, tail RTT is around 2.6x smaller
With similar throughputs, tail latency is 44x smaller than DCTCP and 3.2x smaller