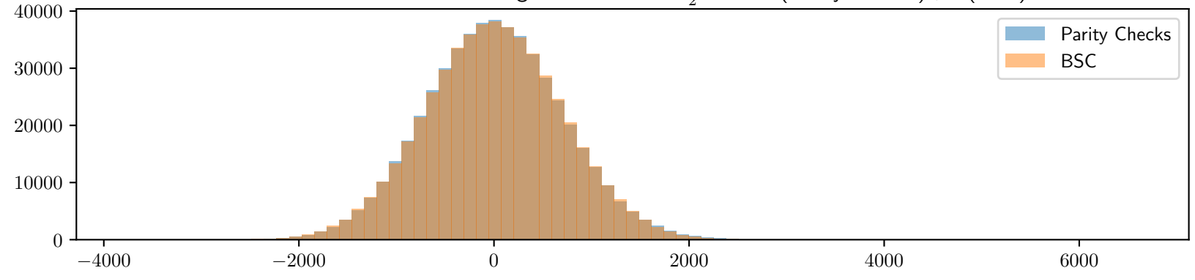
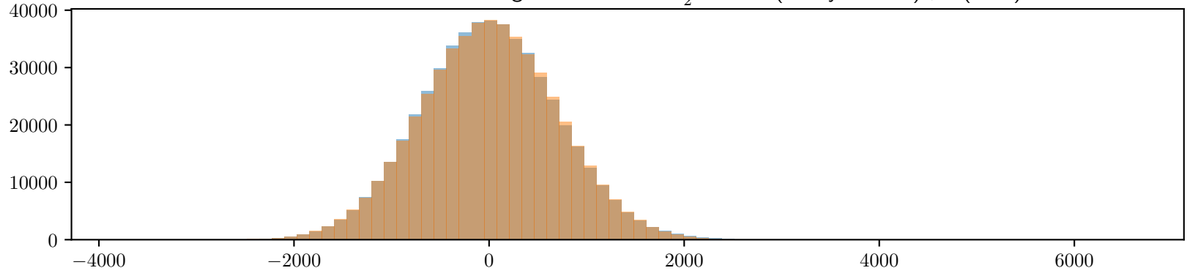
$w = 8,\ s = 19\ k = 40,\ n = 161,\ |e_P| = 6,\ |e_N| = 15,\quad \frac{1-\epsilon}{2} = 0,434375$

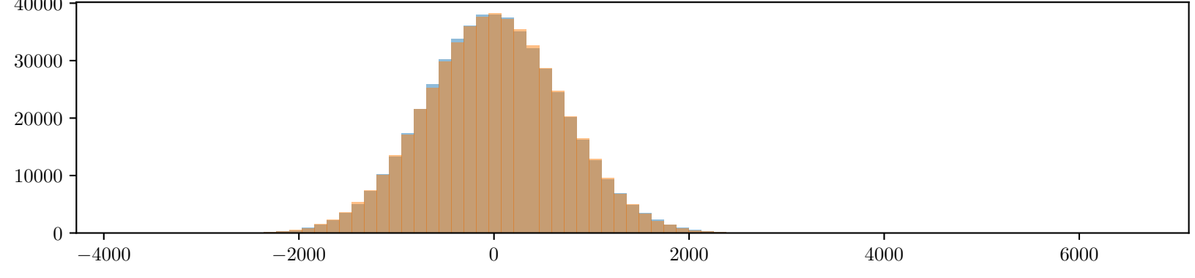
$\#\mathcal{H} = 499041$, Theoretical values : $\frac{\mathcal{F}(\epsilon)}{\mathcal{F}(GV)} = 20,\ \mathcal{F}(\epsilon) = 65499,\ \mathcal{F}(GV) = 3265$
Experimental values :$\mathcal{F}(e_P)$: 63409 (Parity Checks) ; 65313 (BSC)
Second highest walsh coefficient: 4385 (Parity Checks) ; 3403 (BSC)
Number of Walsh coefficient greater than $\frac{\mathcal{F}(GV)+\mathcal{F}(\epsilon)}{2}$: 1 (Parity Checks) ; 1 (BSC)



$\#\mathcal{H} = 499268$, Theoretical values : $\frac{\mathcal{F}(\epsilon)}{\mathcal{F}(GV)} = 20,\ \mathcal{F}(\epsilon) = 65529,\ \mathcal{F}(GV) = 3266$
Experimental values :$\mathcal{F}(e_P)$: 64488 (Parity Checks) ; 65626 (BSC)
Second highest walsh coefficient: 4776 (Parity Checks) ; 3406 (BSC)
Number of Walsh coefficient greater than $\frac{\mathcal{F}(GV)+\mathcal{F}(\epsilon)}{2}$: 1 (Parity Checks) ; 1 (BSC)



$\#\mathcal{H} = 499287$, Theoretical values : $\frac{\mathcal{F}(\epsilon)}{\mathcal{F}(GV)} = 20,\ \mathcal{F}(\epsilon) = 65532,\ \mathcal{F}(GV) = 3265$
Experimental values :$\mathcal{F}(e_P)$: 64799 (Parity Checks) ; 66827 (BSC)
Second highest walsh coefficient: 4527 (Parity Checks) ; 3281 (BSC)
Number of Walsh coefficient greater than $\frac{\mathcal{F}(GV)+\mathcal{F}(\epsilon)}{2}$: 1 (Parity Checks) ; 1 (BSC)



$\#\mathcal{H} = 499405$, Theoretical values : $\frac{\mathcal{F}(\epsilon)}{\mathcal{F}(GV)} = 20,\ \mathcal{F}(\epsilon) = 65547,\ \mathcal{F}(GV) = 3265$
Experimental values :$\mathcal{F}(e_P)$: 64789 (Parity Checks) ; 65075 (BSC)
Second highest walsh coefficient: 5539 (Parity Checks) ; 3521 (BSC)
Number of Walsh coefficient greater than $\frac{\mathcal{F}(GV)+\mathcal{F}(\epsilon)}{2}$: 1 (Parity Checks) ; 1 (BSC)