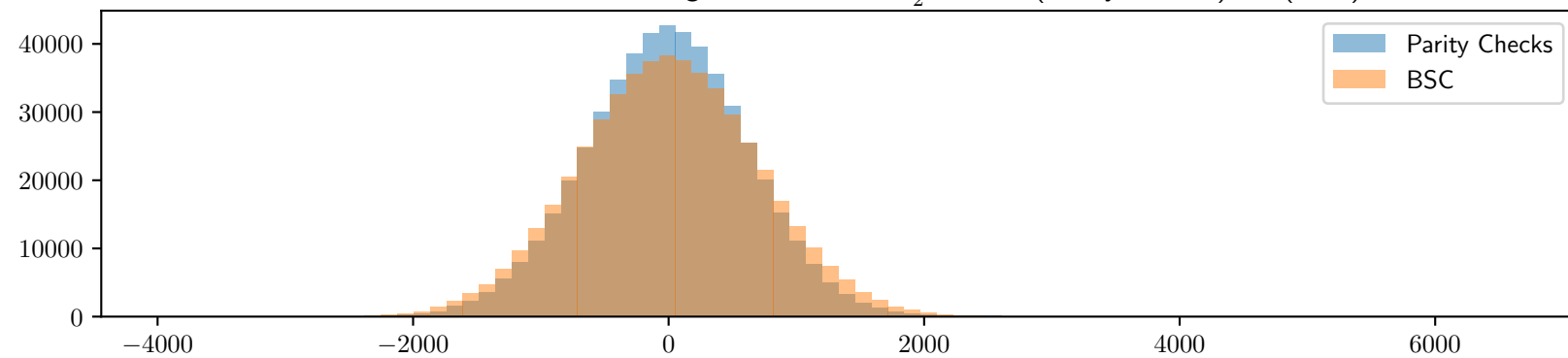$w = 4, \ s = 19 \ k = 19, \ n = 99, \ |e_P| = 6, \ |e_N| = 15, \quad \frac{1-\epsilon}{2} = 0,432969$

$\#\mathcal{H} = 498460$, Theoretical values : $\frac{\mathcal{F}(\epsilon)}{\mathcal{F}(GV)} = 20, \ \mathcal{F}(\epsilon) = 66825, \ \mathcal{F}(GV) = 3262$

Experimental values : $\mathcal{F}(e_P)$: 65110 (Parity Checks) ; 67816 (BSC)

Second highest walsh coefficient: 25206 (Parity Checks) ; 3362 (BSC)

Number of Walsh coefficient greater than $\frac{\mathcal{F}(GV)+\mathcal{F}(\epsilon)}{2}$: 1 (Parity Checks) ; 1 (BSC)
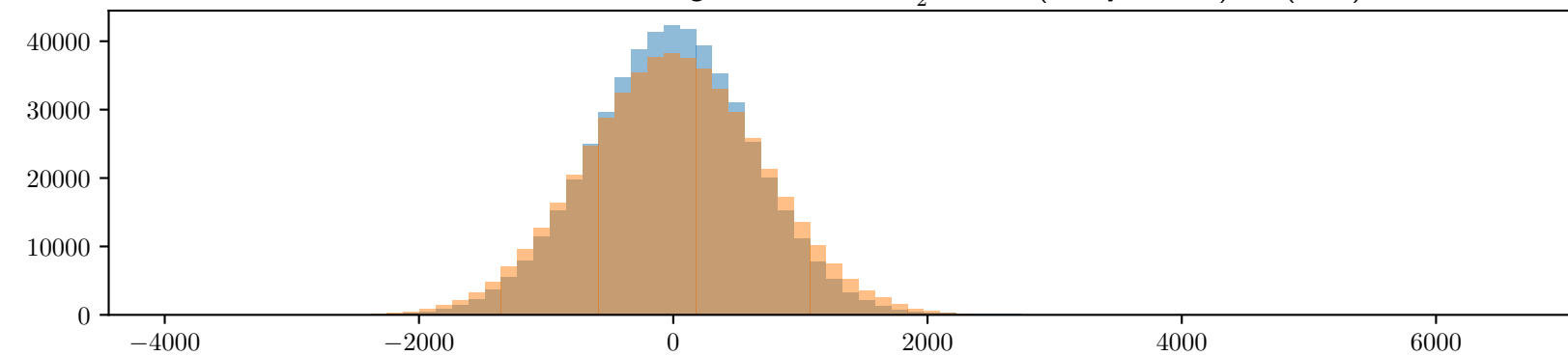
$\#\mathcal{H} = 498462$, Theoretical values : $\frac{\mathcal{F}(\epsilon)}{\mathcal{F}(GV)} = 20, \ \mathcal{F}(\epsilon) = 66825, \ \mathcal{F}(GV) = 3262$

Experimental values : $\mathcal{F}(e_P)$: 64304 (Parity Checks) ; 66460 (BSC)

Second highest walsh coefficient: 33134 (Parity Checks) ; 3216 (BSC)

Number of Walsh coefficient greater than $\frac{\mathcal{F}(GV)+\mathcal{F}(\epsilon)}{2}$: 1 (Parity Checks) ; 1 (BSC)

$\#\mathcal{H} = 496221$, Theoretical values : $\frac{\mathcal{F}(\epsilon)}{\mathcal{F}(GV)} = 20, \ \mathcal{F}(\epsilon) = 66524, \ \mathcal{F}(GV) = 3255$

Experimental values : $\mathcal{F}(e_P)$: 66323 (Parity Checks) ; 64217 (BSC)

Second highest walsh coefficient: 29313 (Parity Checks) ; 3519 (BSC)

Number of Walsh coefficient greater than $\frac{\mathcal{F}(GV)+\mathcal{F}(\epsilon)}{2}$: 1 (Parity Checks) ; 1 (BSC)
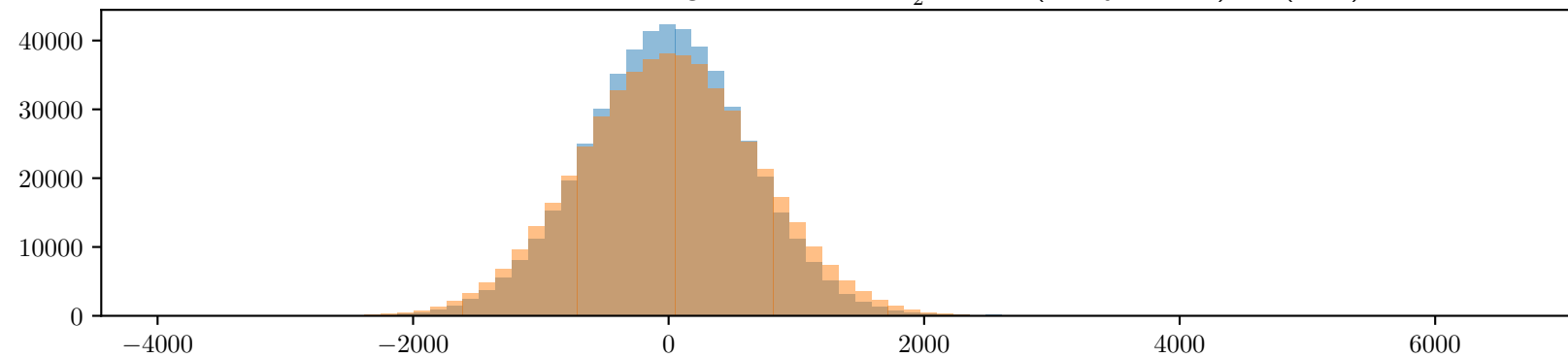
$\#\mathcal{H} = 498283$, Theoretical values : $\frac{\mathcal{F}(\epsilon)}{\mathcal{F}(GV)} = 20, \ \mathcal{F}(\epsilon) = 66801, \ \mathcal{F}(GV) = 3263$

Experimental values : $\mathcal{F}(e_P)$: 67449 (Parity Checks) ; 66619 (BSC)

Second highest walsh coefficient: 35439 (Parity Checks) ; 3543 (BSC)

Number of Walsh coefficient greater than $\frac{\mathcal{F}(GV)+\mathcal{F}(\epsilon)}{2}$: 2 (Parity Checks) ; 1 (BSC)