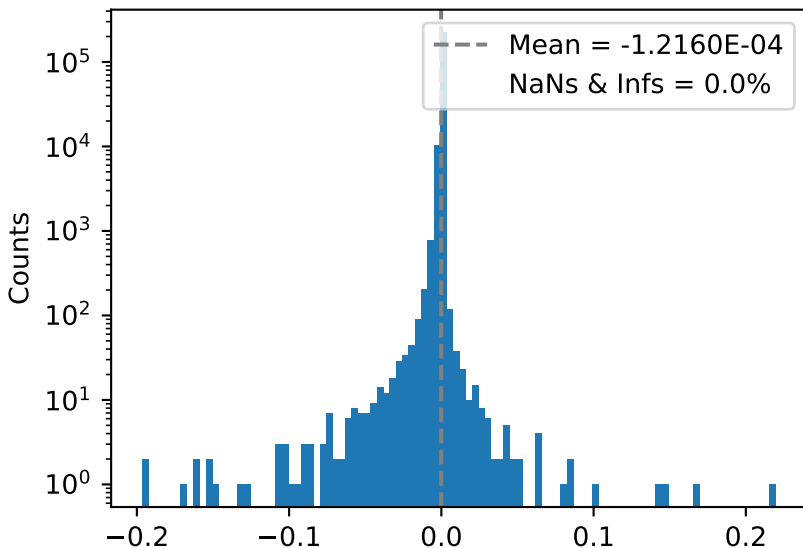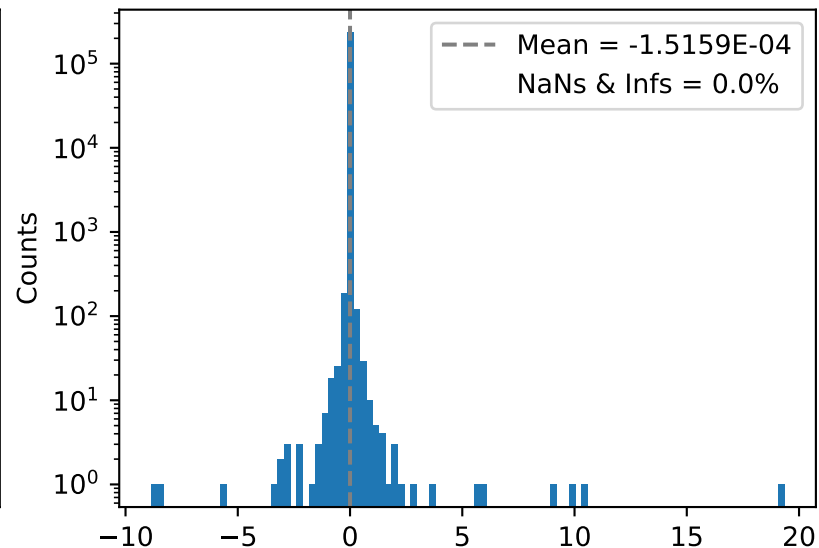Response distributi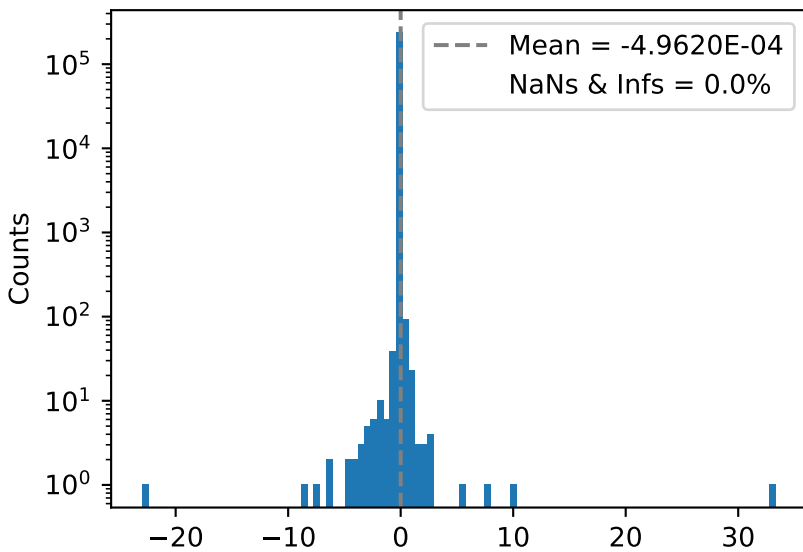ons