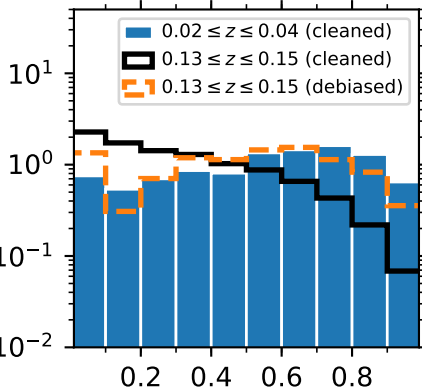
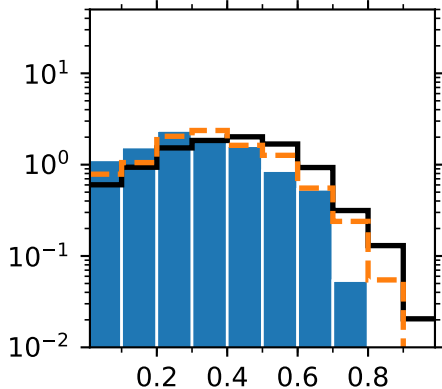


# spiral arm winding?

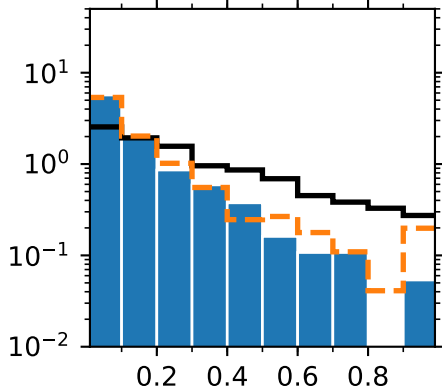
## tight spiral



## moderate spiral



## loose spiral



vote fraction