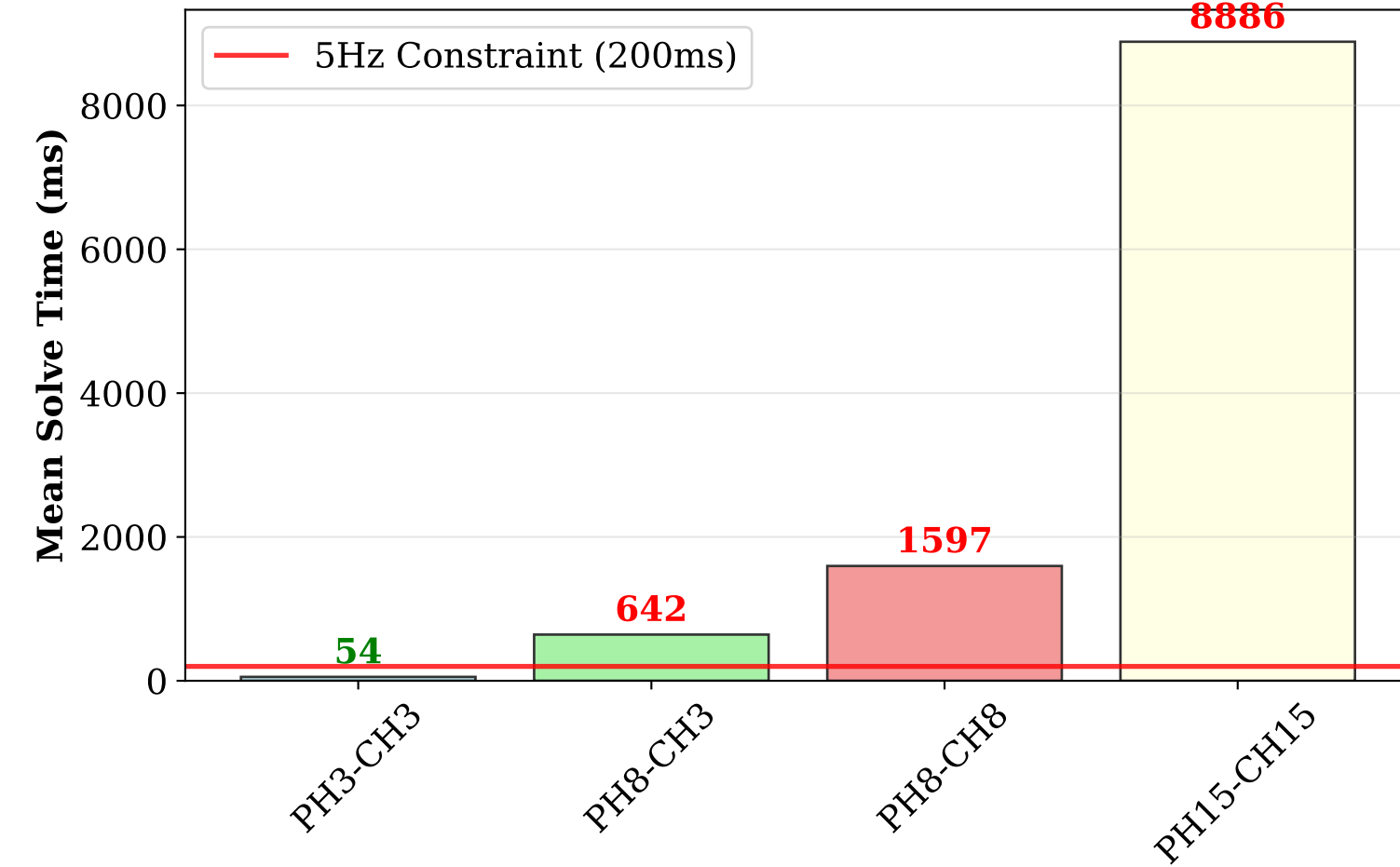
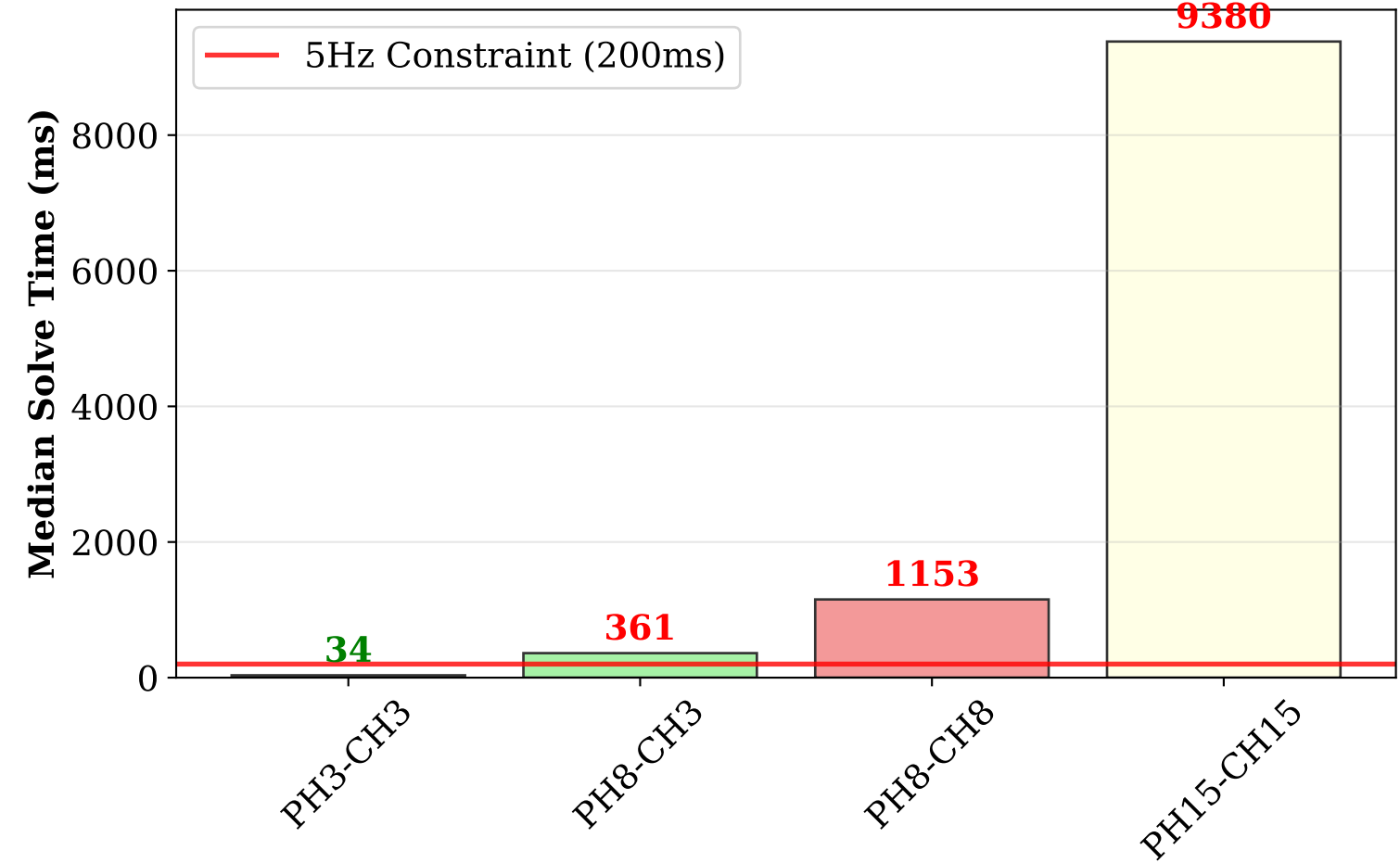


# MPCC Solver Performance Comparison for 5Hz Real-time Control Across Different Horizon Configurations

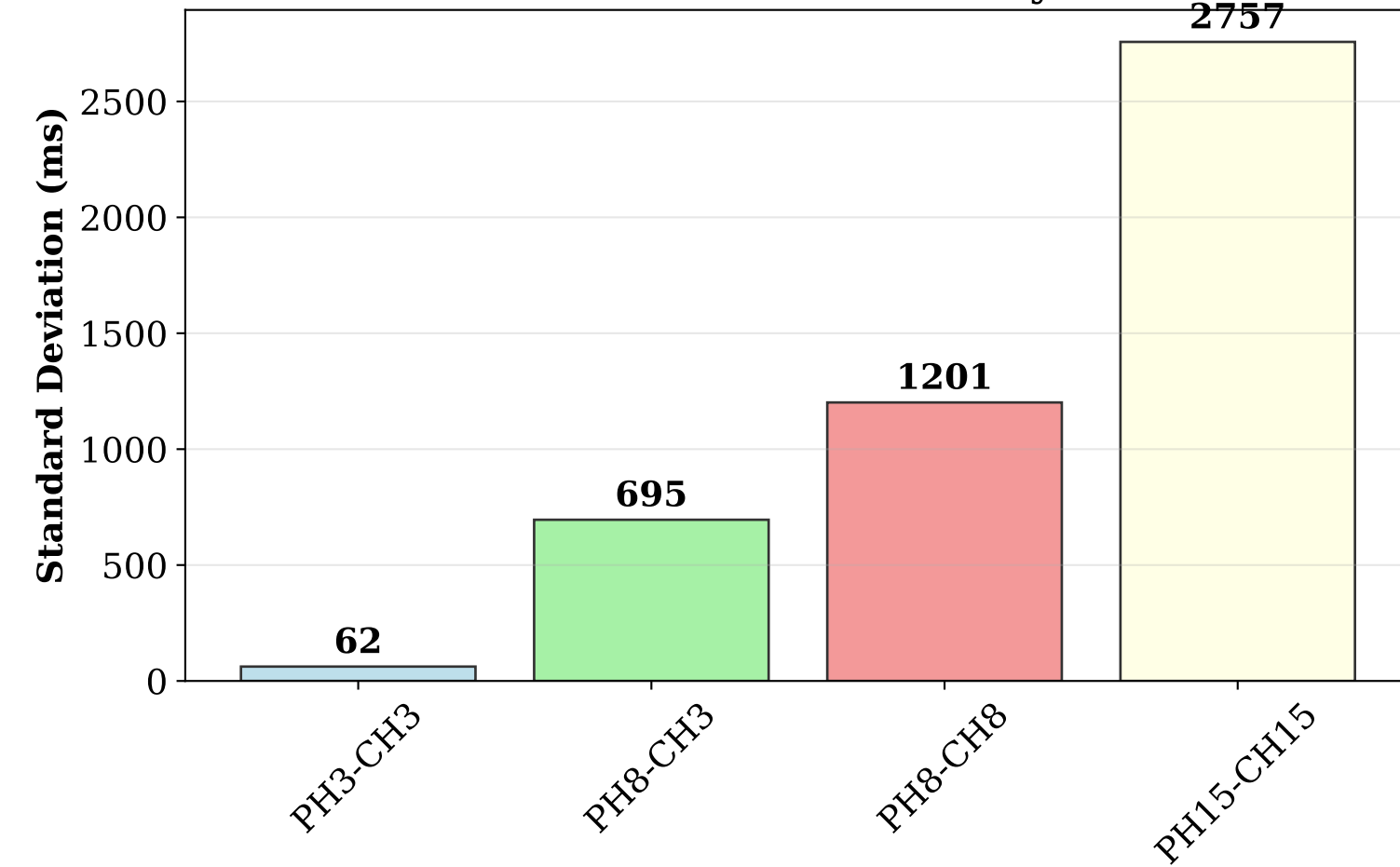
## Mean Solve Time vs 5Hz Constraint



## Median Solve Time vs 5Hz Constraint



## Solve Time Variability



## 5Hz Real-time Performance ( $\leq 100$ ms)

