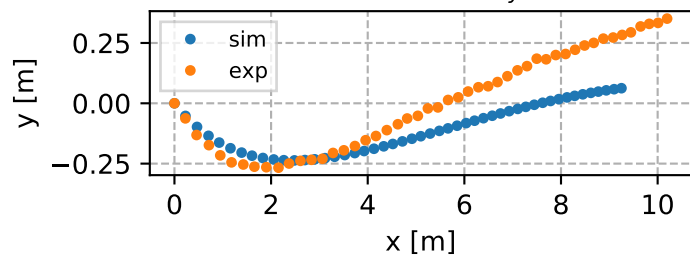
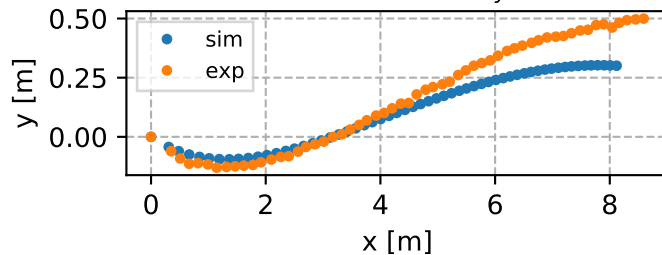


# Trajectories: Weighted Minimization and Experiment

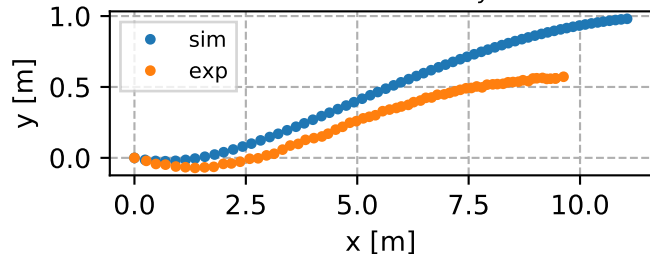
$\theta_{ef} = 9^\circ$ ,  $v_x = 14.29$  m/s,  $v_y = -3.59$  m/s



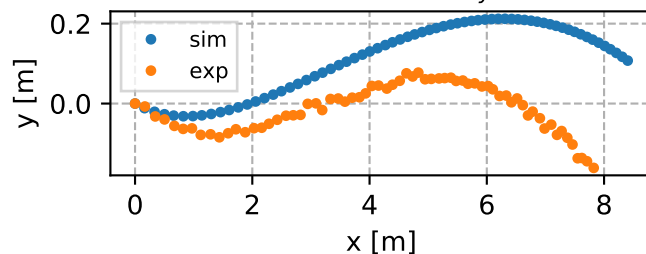
$\theta_{ef} = 18^\circ$ ,  $v_x = 11.18$  m/s,  $v_y = -1.83$  m/s



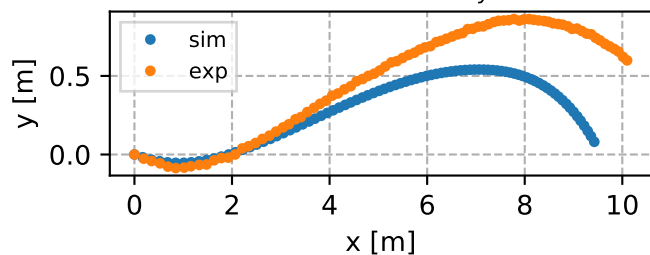
$\theta_{ef} = 14^\circ$ ,  $v_x = 14.11$  m/s,  $v_y = -1.05$  m/s



$\theta_{ef} = 17^\circ$ ,  $v_x = 10.21$  m/s,  $v_y = -0.82$  m/s



$\theta_{ef} = 24^\circ$ ,  $v_x = 10.64$  m/s,  $v_y = -1.21$  m/s



TEST, EXCLUDED FROM FIT

$\theta = 10^\circ$ ,  $v_x = 11.18$  m/s,  $v_y = -1.83$  m/s

