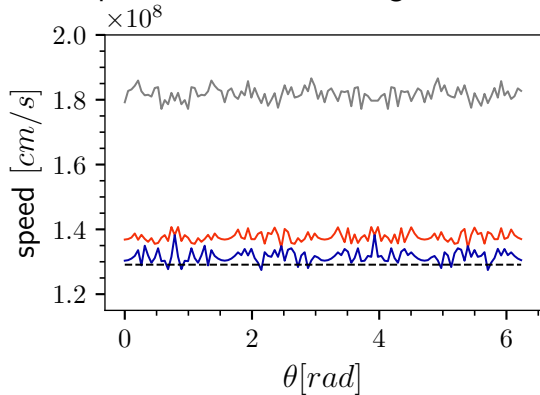


speed as function of angle at  $t=0.3s$



Shock speeds

