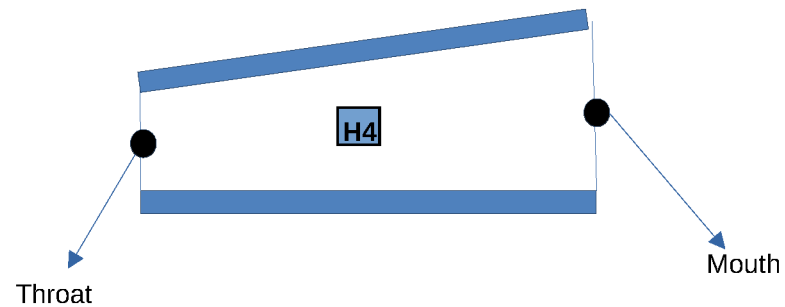
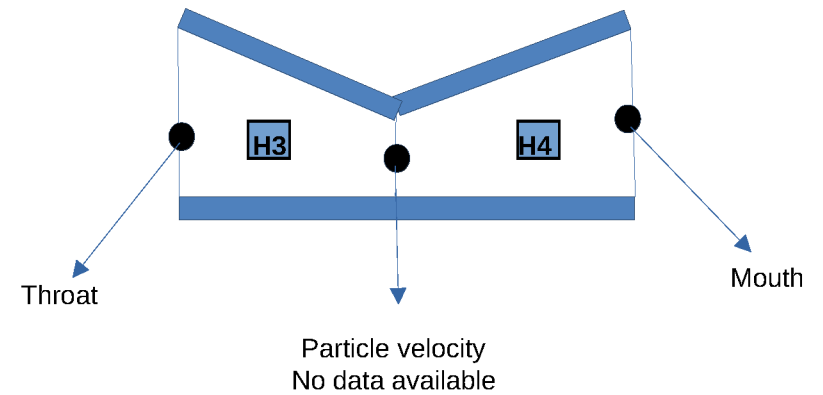


Manifold
CH1
Particle Velocity at Port Mouth



Manifold
CH2
Particle Velocity at Port Mouth



Particle Velocity clearly reduced the speed at Throat side because the area was increased at CH2 model, while at mouth there is no difference, but, due to Venturi effect we expect increased speed at middle position for CH2, it might be at the same magnitude from CH1 Throat, considering the same CSA, but it will generate less turbulence improving sound quality.

Venturi Effect

