

# Gas measurements with quad box laser setup

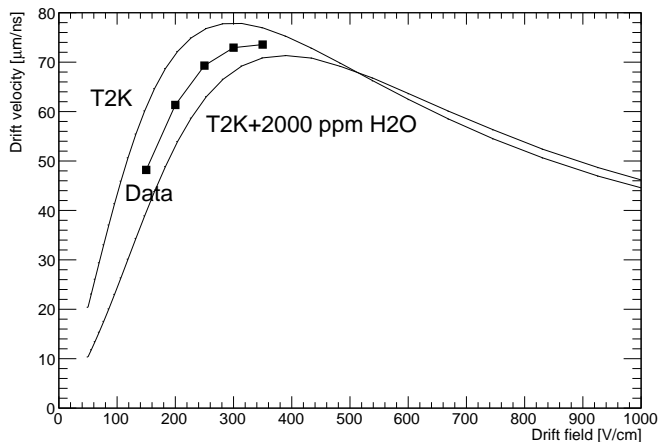
Kees Ligtenberg

Lepcol meeting

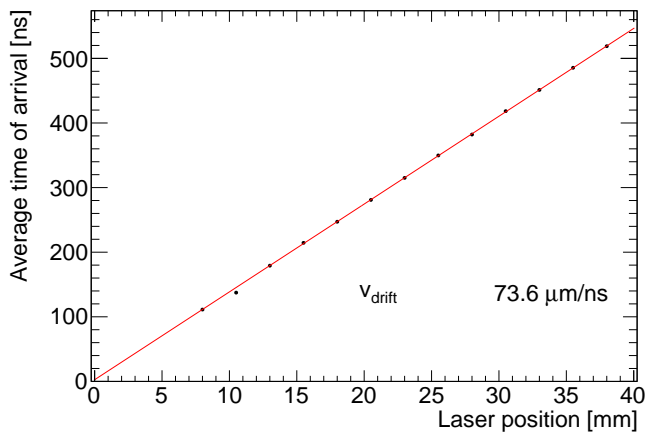
August 26, 2019



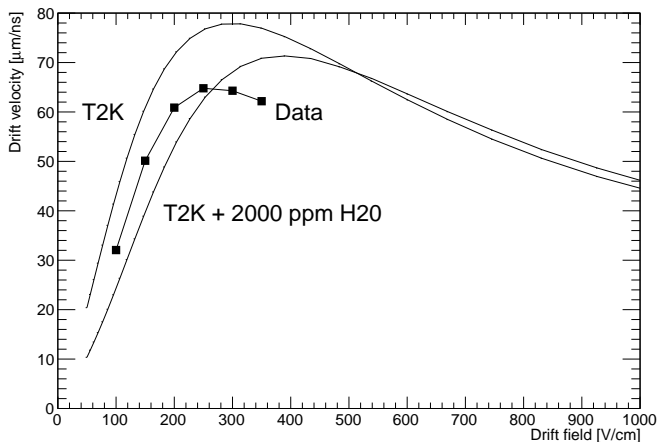
# Premixed T2K



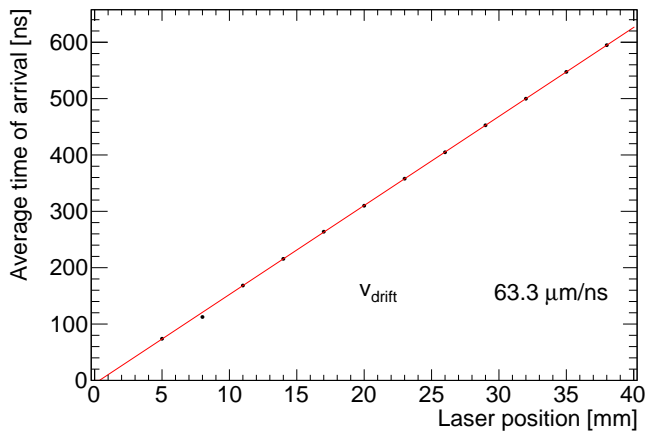
# Premixed T2K at 300 V/cm



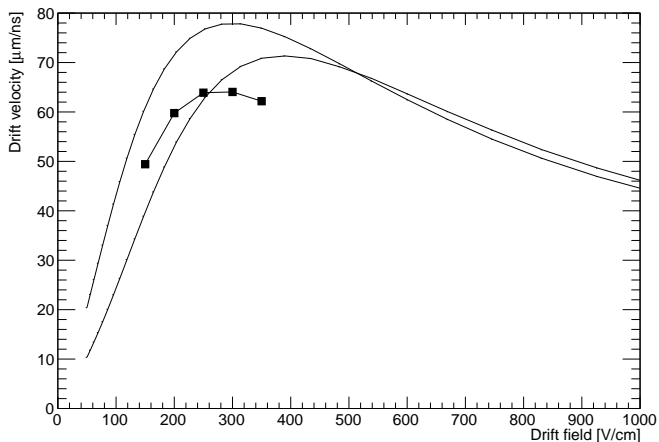
# Mixed T2K



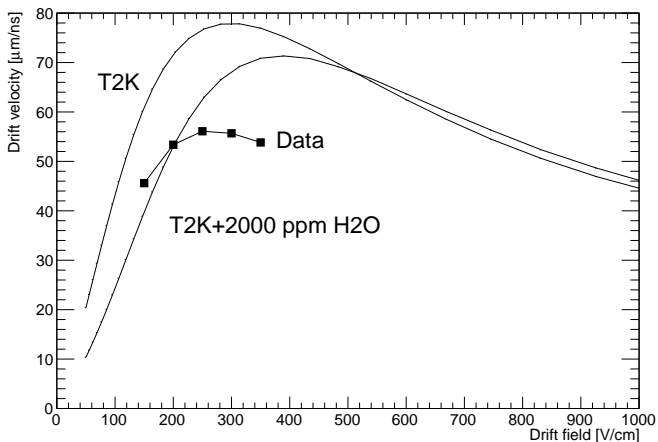
# Mixed T2K at 300 V/cm



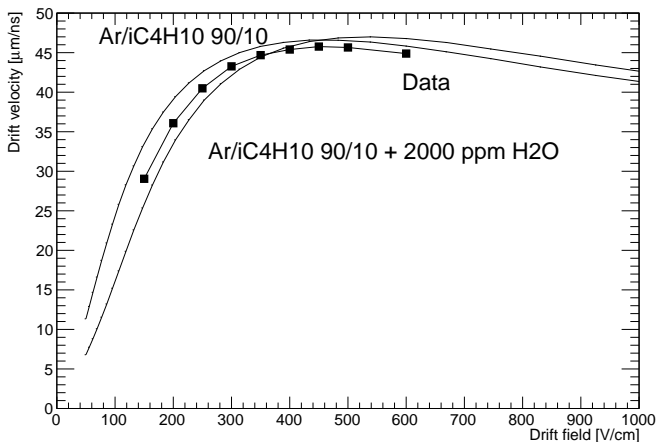
# Old bottle of T2K



# T3K: Ar/iC<sub>4</sub>H<sub>10</sub>/CF<sub>4</sub> 94/3/3

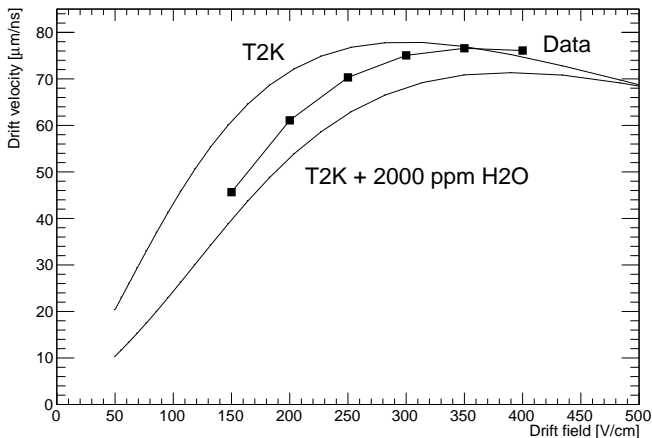


# Ar/iC4H10 90/10

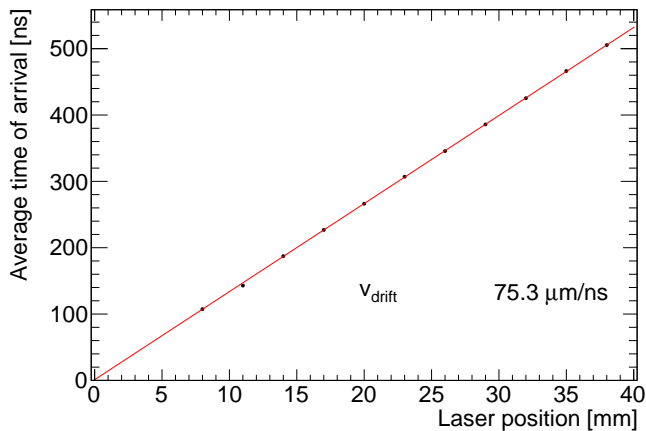




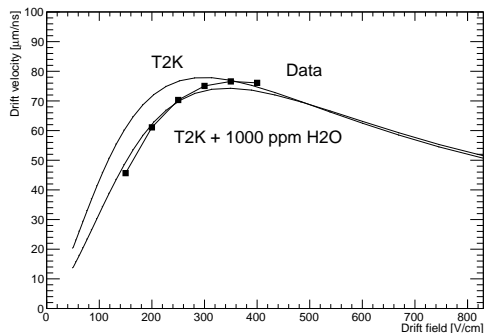
# T2K with new CF4



# T2K with new CF4 at 300 V/cm

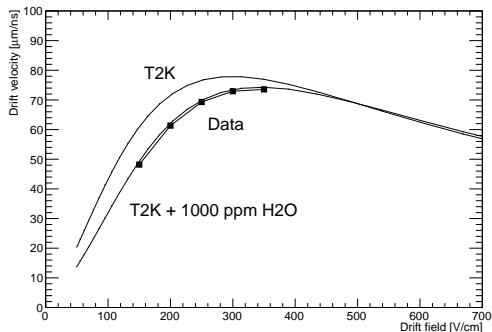


# T2K with new CF4



Measured H2O was between 1696 ppm and 1355 ppm, O2 was 46 ppm  
Simulated with CF4 2.99%, iC4H10 2.00%, H2O 0.099%, O2 0.020%, Ar 94.79%, N2 0.099%

# Premixed T2K



Measured H2O started at 1786 ppm

Simulated with CF4 2.99%, iC4H10 2.00%, H2O 0.099%, O2 0.020%, Ar 94.79%, N2 0.099%