Lorentz Angle Comparison

Smaller Lorentz angle is big benefit!

- Higher efficiency at cell edges → more hits!
  tracking and dE/dx benefit
- Smaller $D(T)$ corrections
- Smaller dE/dx corrections
- Smaller T_{max} (effective V_{drift} larger)

Table 3: Effective Speed of Gas

Gas	V_{drift} (near wire)	D_{max}/T_{max}
50-50 Ar-C_2H_6	50 μm/ns	16 μm/ns
60-40 He-C_3H_8	42 μm/ns	24 μm/ns