

# SRKAnalysis\_150929\_0

September 29, 2015

## 1 Standard Settings

Particle =  $^{199}\text{Hg}$

Gyromagnetic ratio =  $-4.84578839927 \times 10^7 \frac{1}{T_s}$

Mean velocity =  $193 \frac{m}{s}$

Magnetic field ( $B_0$ ) =  $1 \mu T$

Precession time =  $100 s$

Chamber height =  $12 cm$

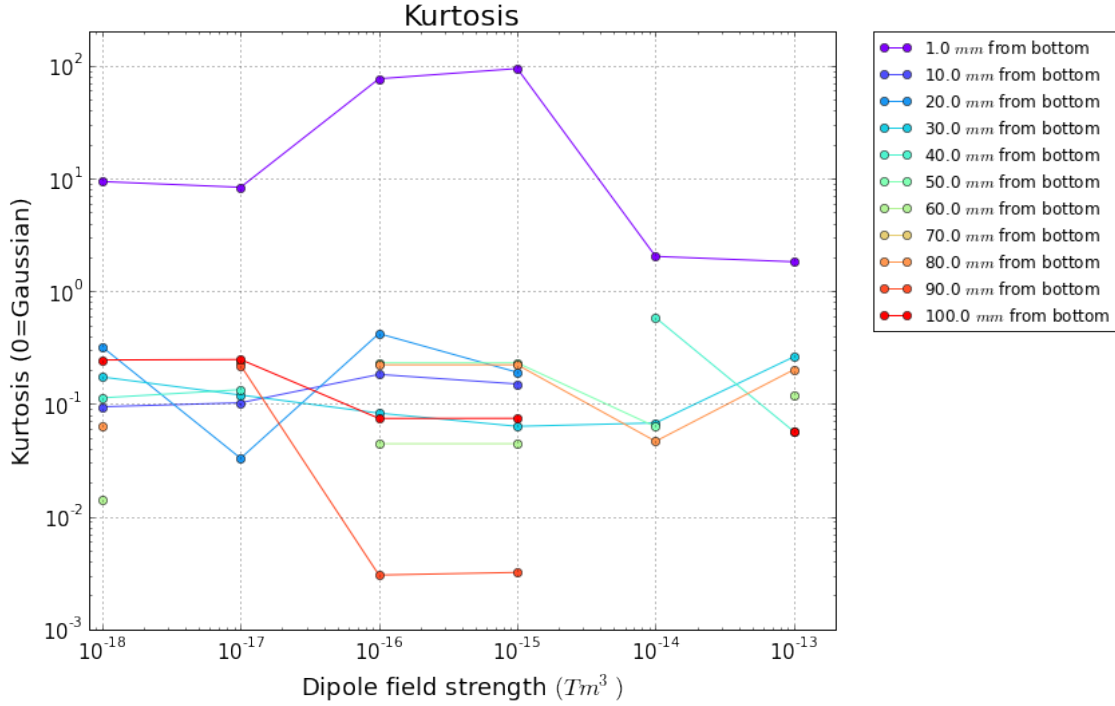
Chamber radius =  $23.5 cm$

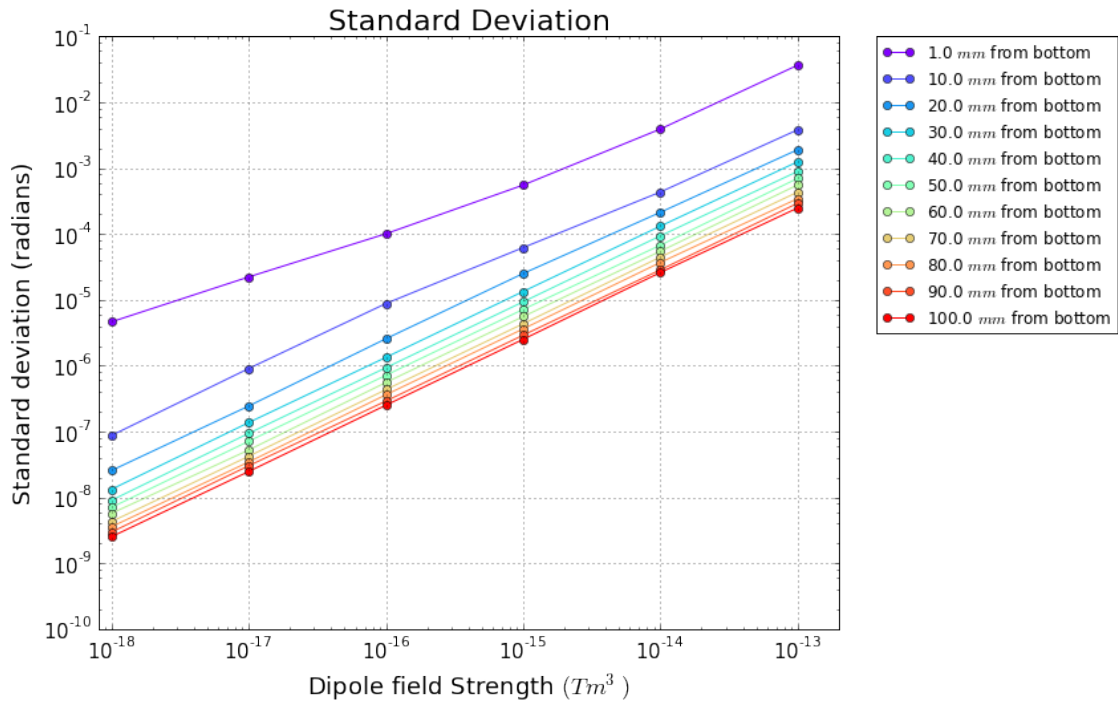
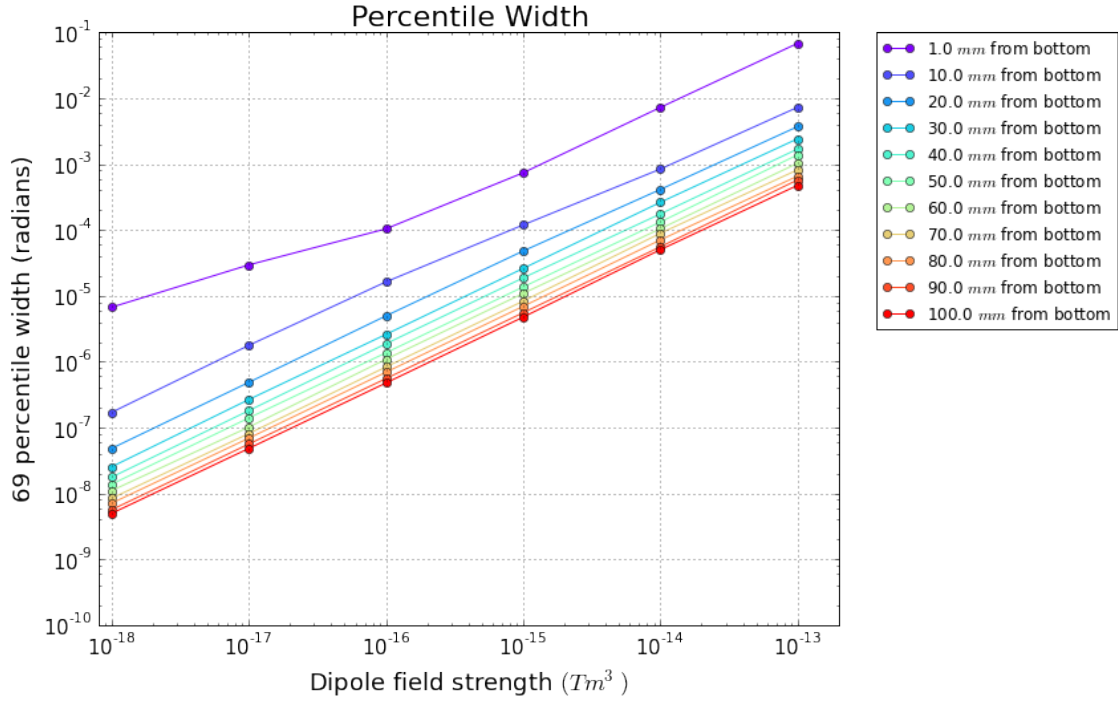
Diffuse reflection probability = 100%

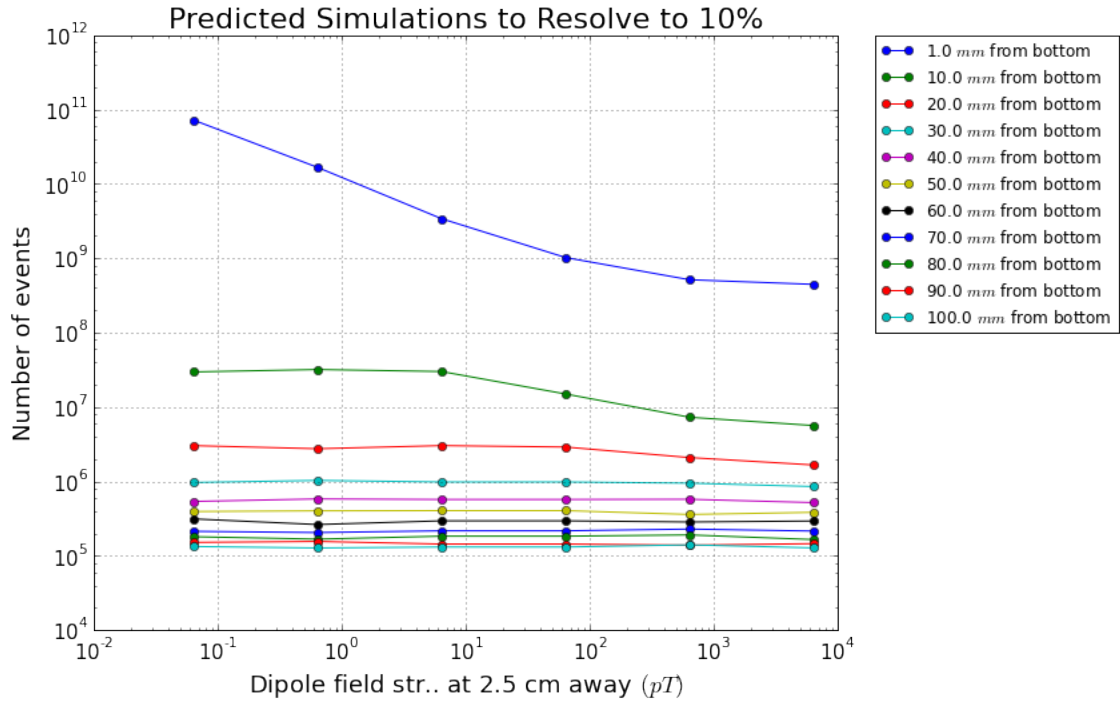
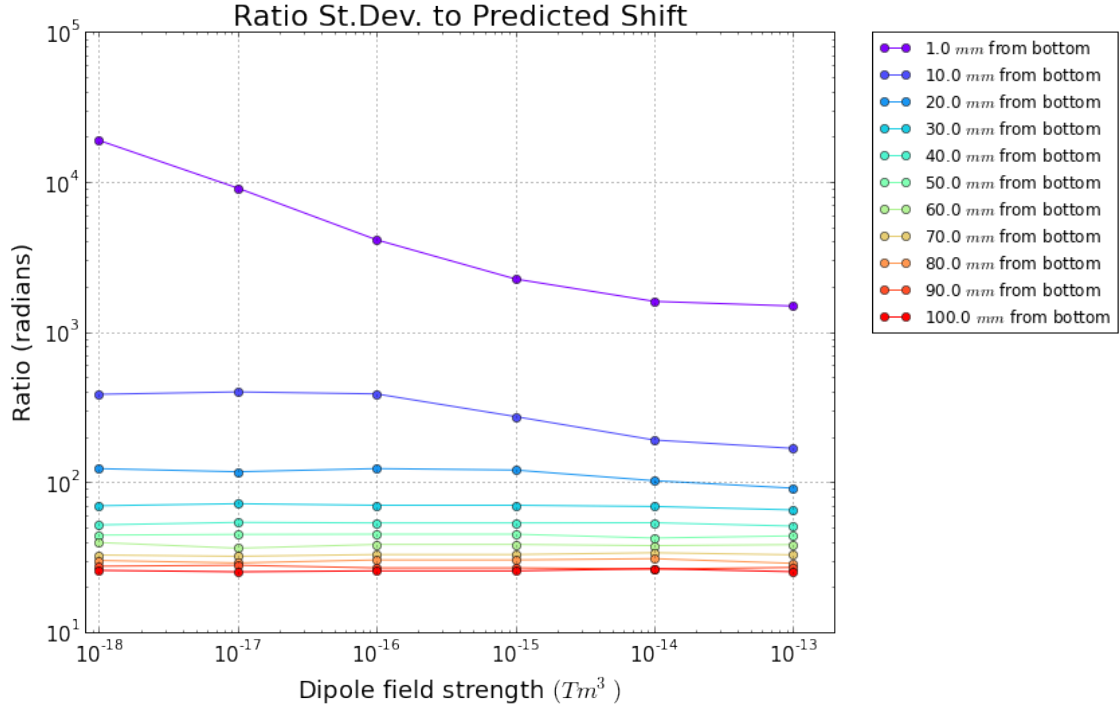
Dipoles centered radially and pointing up

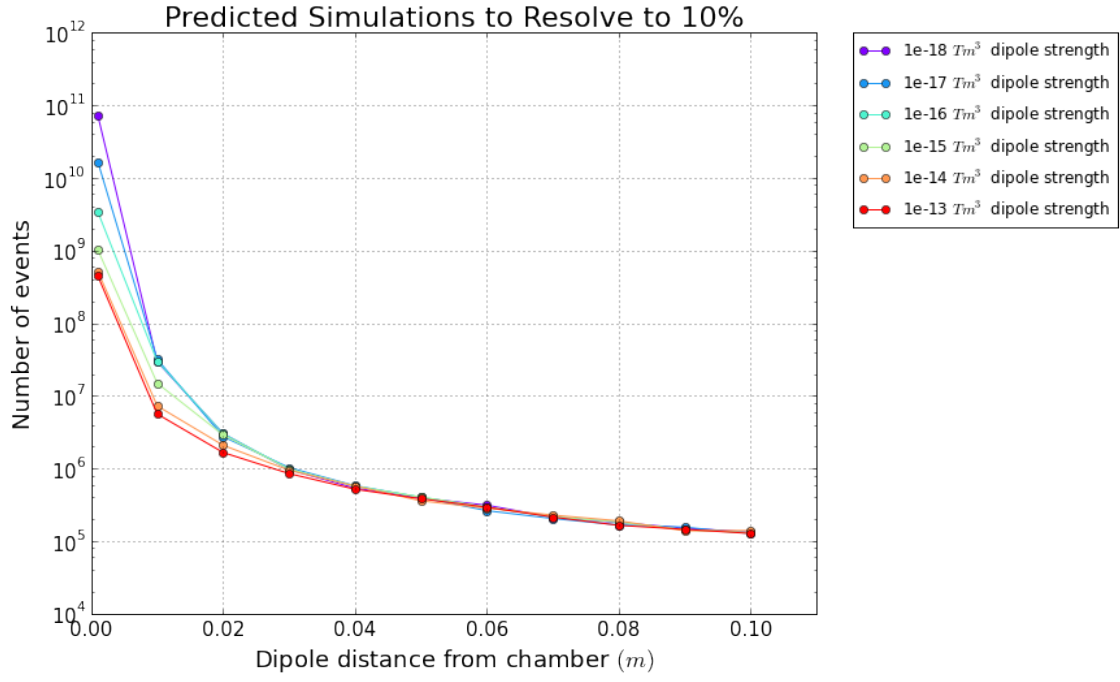
Each point represents the results of 1000 particles ran for parallel field case only

## 2 $E_0 = 0 \frac{MV}{m}$





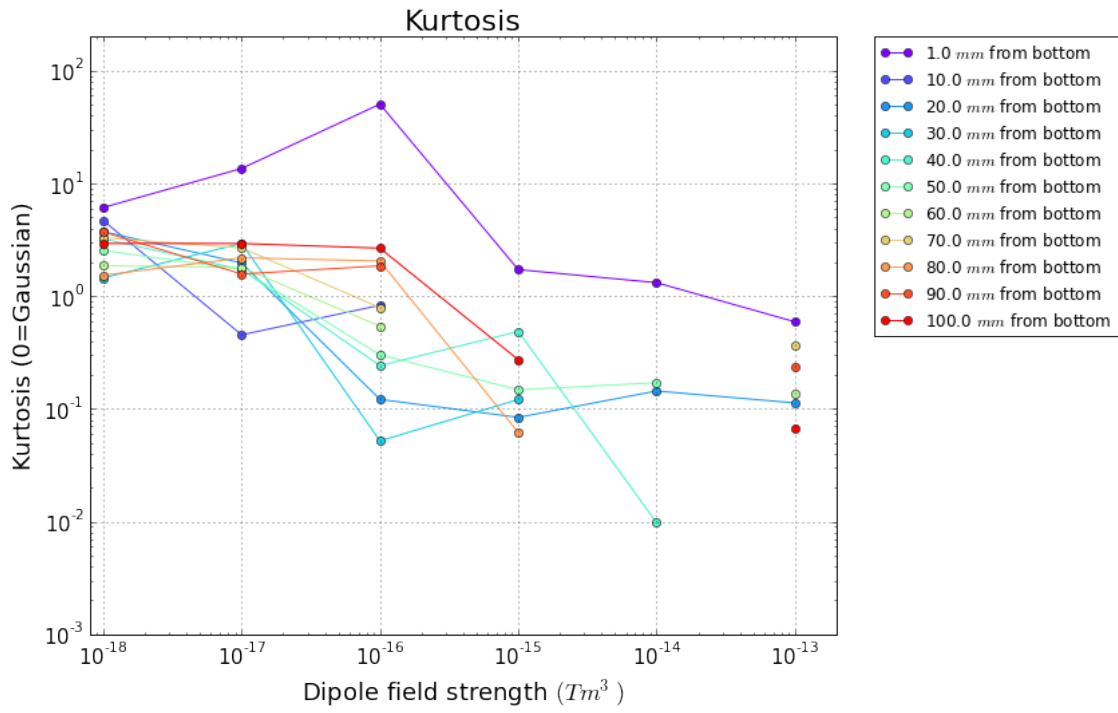


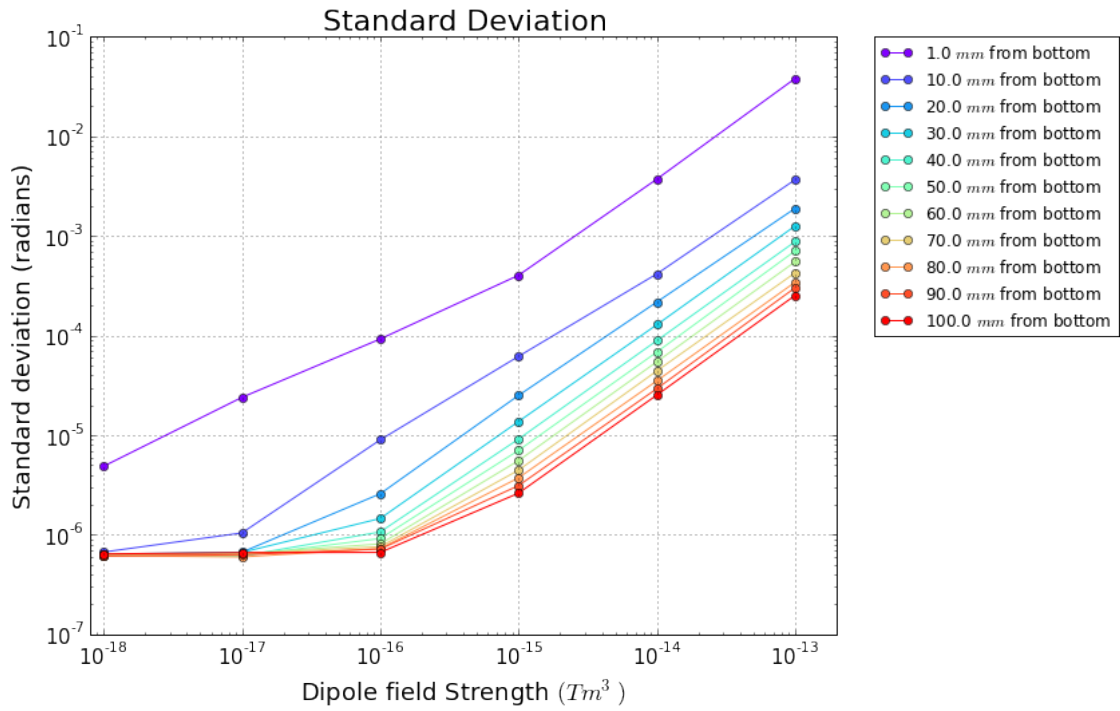
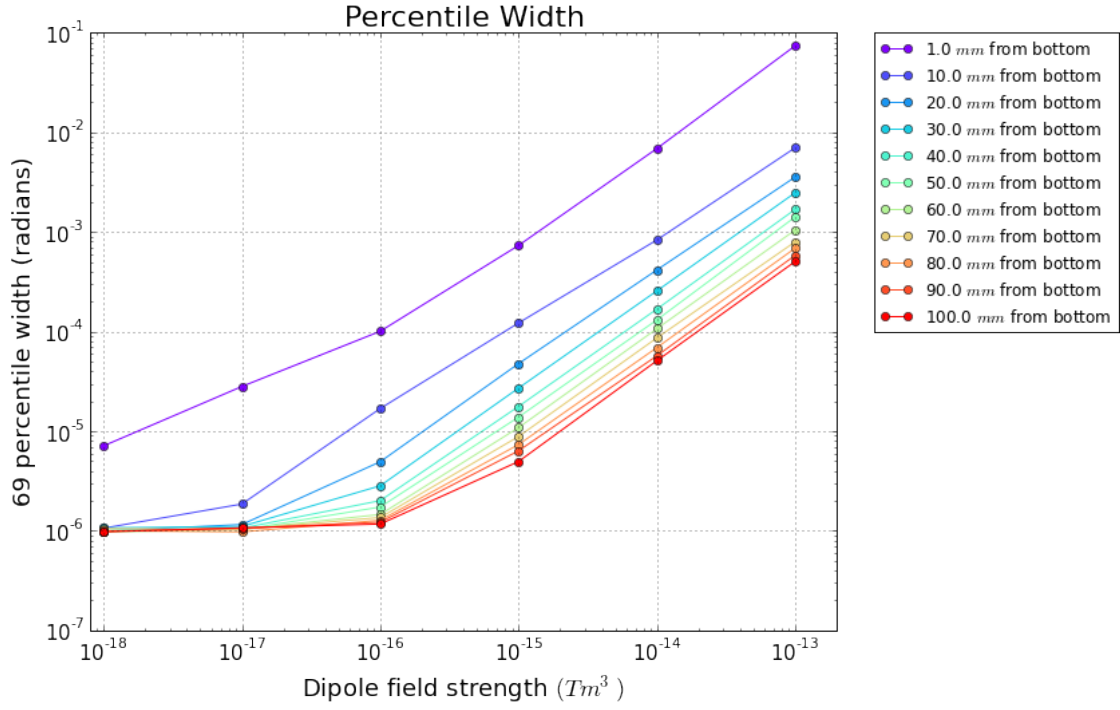


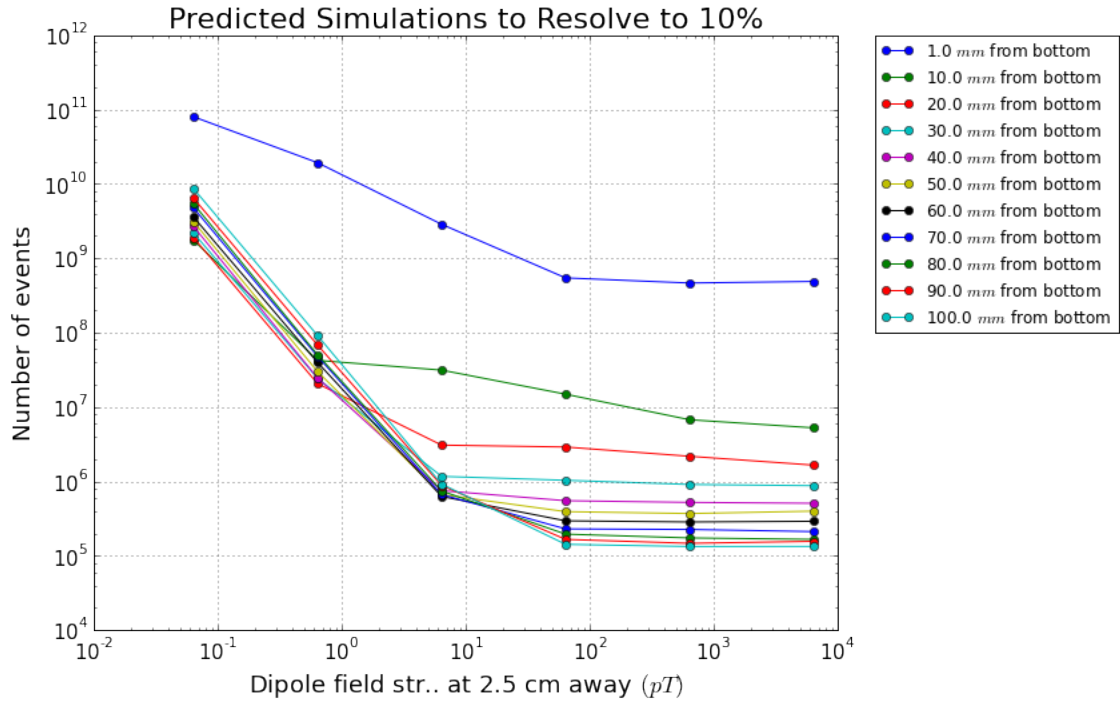
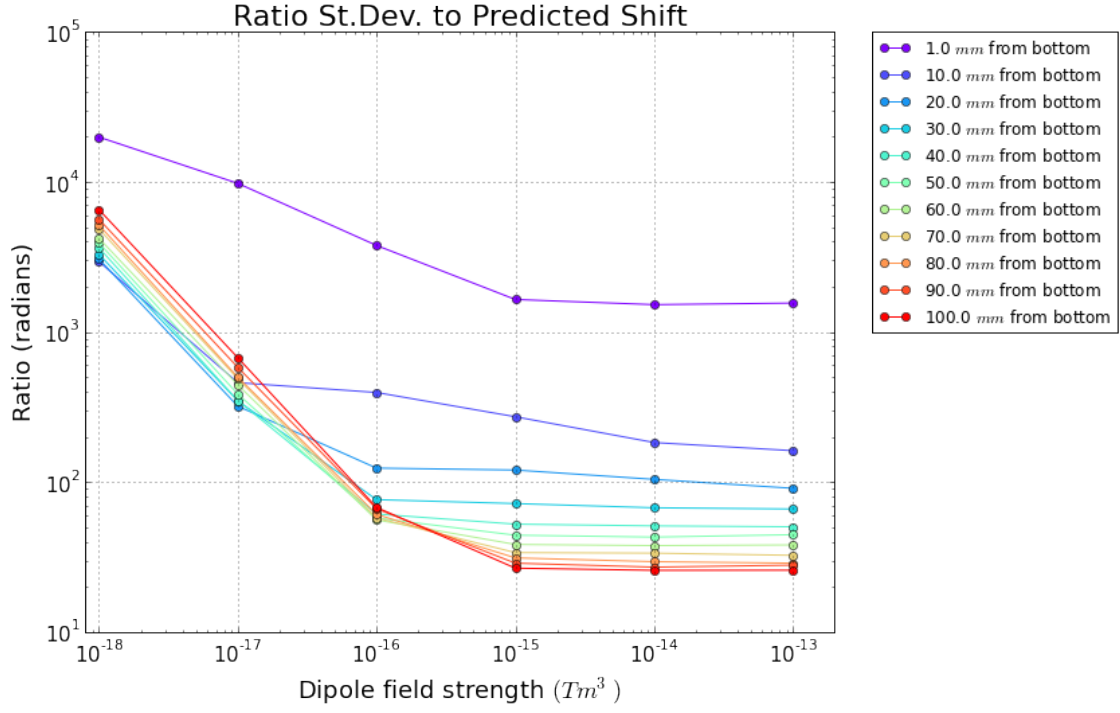
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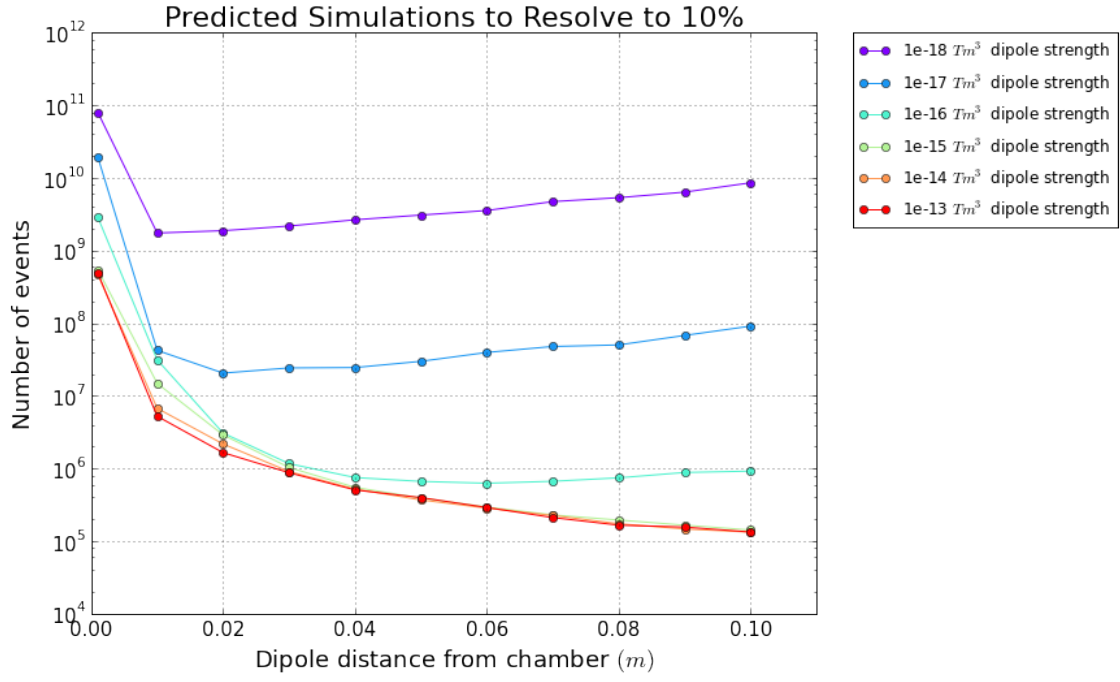
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1  $E_0 = 0.5 \frac{MV}{m}$











# SRKAnalysis\_150929\_0

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1  $E_0 = 1 \frac{MV}{m}$

