

Event Fraction

$10^{-1}$

$10^{-2}$

$10^{-3}$

$10^{-4}$

- $B = 1e2$   $R = 0.09\text{MHz}$
- $B = 5e2$   $R = 0.36\text{MHz}$
- $B = 1e3$   $R = 0.58\text{MHz}$
- $B = 5e3$   $R = 1.23\text{MHz}$
- $B = 1e4$   $R = 1.45\text{MHz}$
- $B = 5e4$   $R = 1.94\text{MHz}$
- $B = 1e5$   $R = 2.40\text{MHz}$
- $B = 5e5$   $R = 5.90\text{MHz}$

200

300

400

500

600

Starting Z of  $\mu^+$  / mm