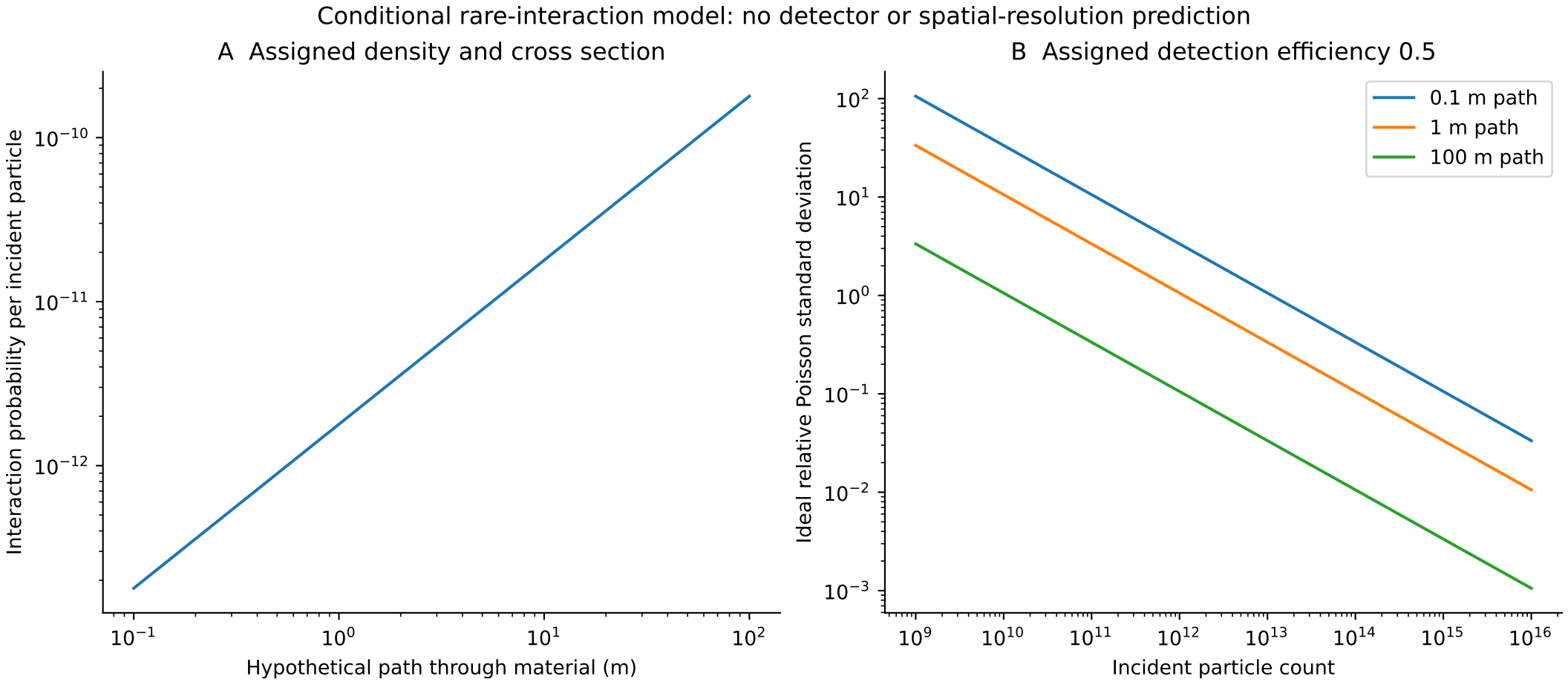

Conditional rare-interaction model: no detector or spatial-resolution prediction
A Assigned density and cross section
B Assigned detection efficiency 0.5
Interaction probability per incident particle
Hypothetical path through material (m)
Ideal relative Poisson standard deviation
Incident particle count
0.1 m path
1 m path
100 m path