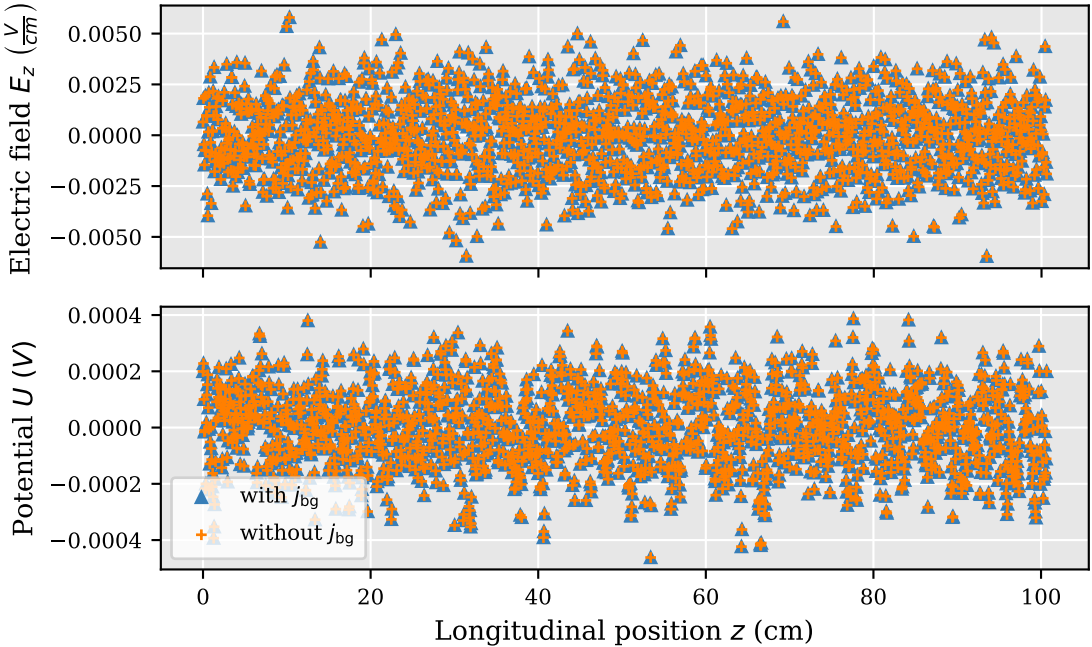

Electric field E_z $(\frac{V}{cm})$
0.0050
0.0025
0.0000
−0.0025
−0.0050
Potential U (V)
0.0004
0.0002
0.0000
−0.0002
−0.0004
with j_{bg}
without j_{bg}
0
20
40
60
80
100
Longitudinal position z (cm)