



Ground State Fit
 correct_fraction = $91.1 \pm 1.5\%$
 wrong_fraction = $7.3 \pm 0.7\%$
 decay_fraction = $1.6 \pm 1.3\%$

Excited State Fit
 correct_fraction = $87.2 \pm 1.8\%$
 wrong_fraction = $9.7 \pm 0.8\%$
 decay_fraction = $3.1 \pm 1.6\%$