TCN18-170 (Li6 detector, single exponential fit, background subtracted, normalized to beam current)

χ^2 / ndf	74.68 / 7
Prob	1.668e−13
p0	5.672e+04 ± 185.8
τ	29.4 ± 0.1236

UCN count (μA^{-1})

Storage time (s)

TCN18-170 (Li6 detector, single exponential fit + background, unnormalized)

χ^2 / ndf	153.1 / 6
Prob	1.745e−30
p0	5.56e+04 ± 130.9
τ	29.36 ± 0.1535
Background	271.3 ± 45.84

UCN count

10^4

Storage time (s)

TCN18-170 (He3 detector, single exponential fit, background subtracted, normalized to beam current)

χ^2 / ndf	2.057 / 7
Prob	0.9566
p0	938 ± 17.31
τ	28.84 ± 0.8177

UCN count (μA^{-1})

Storage time (s)