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

χ^2 / ndf	86.09 / 6
Prob	1.959e−16
p0	5.656e+04± 204
τ	29.8± 0.1301

UCN count (μA^{-1})

Storage time (s)

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

χ^2 / ndf	157.6 / 5
Prob	3.271e−32
p0	5.536e+04 ± 154.4
τ	30.1 ± 0.1696
Background	174.7 ± 48.09

UCN count

10^4

0   20   40   60   80   100   120

Storage time (s)

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

χ^2 / ndf	8.429 / 6
Prob	0.2083
p0	869.7 $\pm$ 19.65
τ	32.07 $\pm$ 1.03

UCN count (μA^{-1})

Storage time (s)