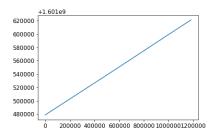
# Krypton Calibration Run 8164

Krypton Calibration Group

## Conditions and data

Table: Conditions and data for run 8164

Conditions	Data
run number	8164
file range	(0,11813)
date	2020-10-02
lab temperature:	20.0 deg
Total number of S2s	1542121
Total number of events	1492234



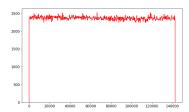


Figure: Run data.

Table: S1 & S2 for run 8164

Conditions	Data
fraction of S1s	0.88
fraction of S2s (1 S1)	0.98
fraction 1 S2 & 1 S1	0.86

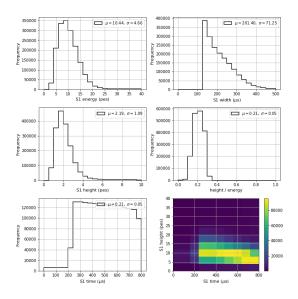


Figure: S1 distributions.

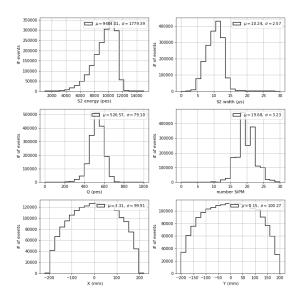


Figure: S2 distributions.

#### Control distributions

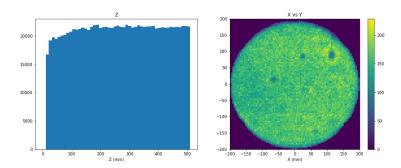


Figure: XYZ distribution.

## Lifetime maps

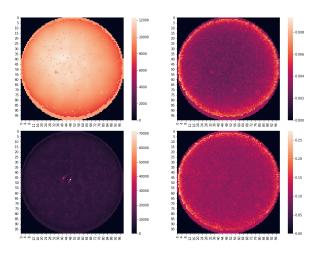


Figure: Lifetime and geometrical map.

## Lifetime maps

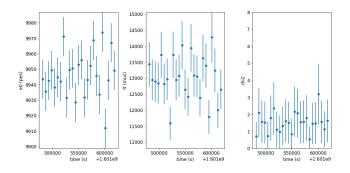
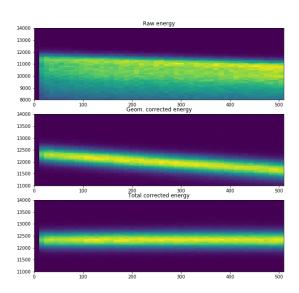


Figure: Average lifetime.

# Lifetime and geometry correction



# R Profile showing R dropout

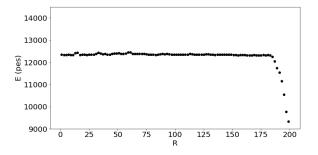
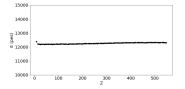


Figure: R profile shows that fiducial volume must be R < 180mm.

#### Profiles after R < 180mm



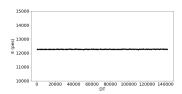


Figure: Profiles showing correction is robust.

#### Resolution fits as a function of R and Z

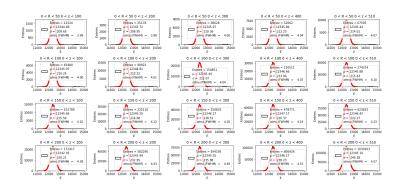


Figure: Resolution fits.

#### Resolution as a function of R and Z

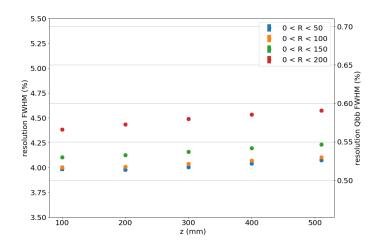


Figure: Resolution fits.

## Efficiency over time

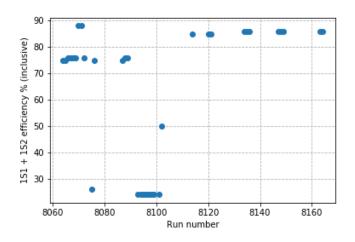


Figure: Efficiency tracking over time.

## Response over time

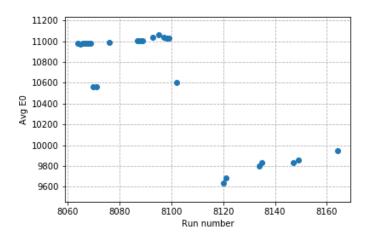


Figure: Response tracking over time.

#### Lifetime over time

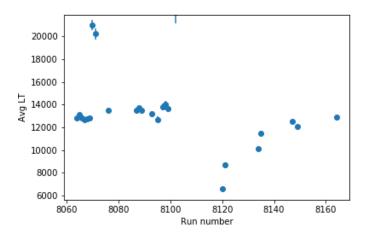


Figure: Lifetime tracking over time.

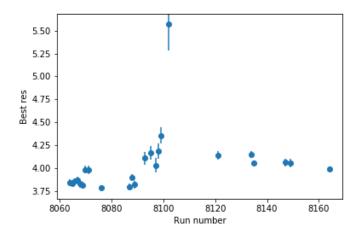


Figure: Resolution tracking over time.