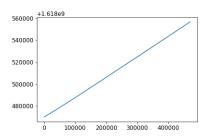
# Krypton Calibration Run 8583

Krypton Calibration Group

## Conditions and data

Table: Conditions and data for run 8583

Conditions	Data	
run number	8583	
file range	(0,2263)	
date	2021-04-16	
lab temperature:	nan deg	
Total number of S2s	594091	
Total number of events	586328	



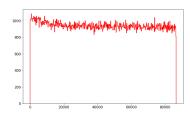


Figure: Run data.

Table: S1 & S2 for run 8583

Conditions	Data
fraction of S1s	0.87
fraction of S2s (1 S1)	0.99
fraction 1 S2 & 1 S1	0.86

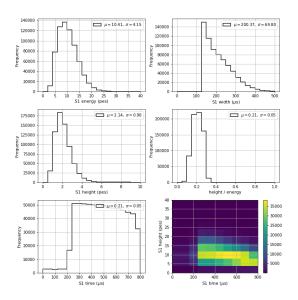


Figure: S1 distributions.

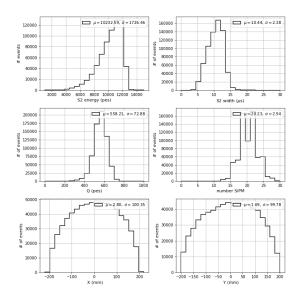


Figure: S2 distributions.

## Control distributions

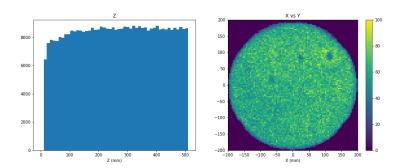


Figure: XYZ distribution.

## Lifetime maps

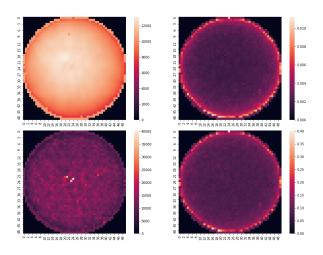


Figure: Lifetime and geometrical map.

# Lifetime maps

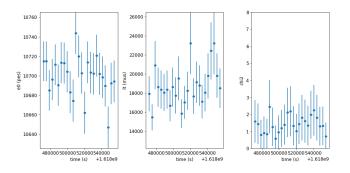
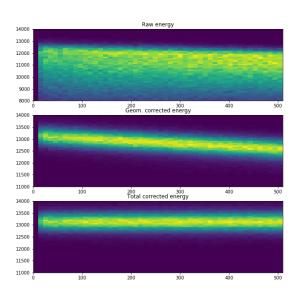


Figure: Average lifetime.

## Lifetime and geometry correction



# R Profile showing R dropout

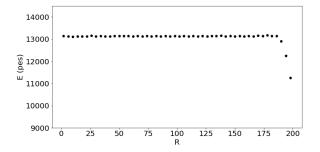


Figure: R profile shows that fiducial volume must be R < 180mm.

#### Profiles after R < 180mm



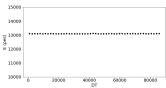


Figure: Profiles showing correction is robust.

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

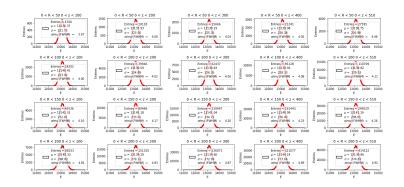


Figure: Resolution fits.

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

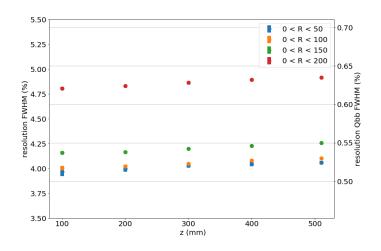


Figure: Resolution fits.

## Efficiency over time

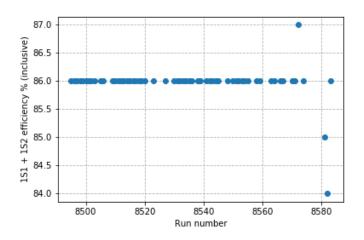


Figure: Efficiency tracking over time.

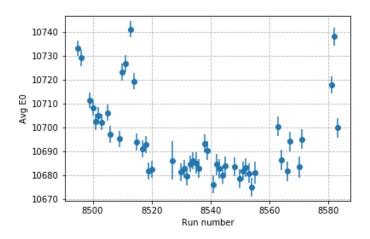


Figure: Response tracking over time.

#### Lifetime over time

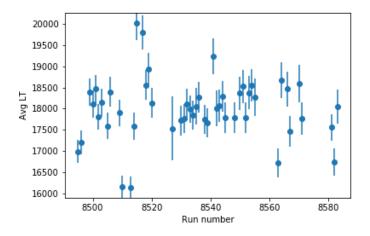


Figure: Lifetime tracking over time.

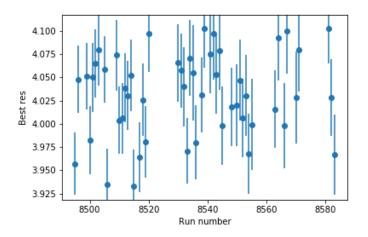


Figure: Resolution tracking over time.