Krypton Calibration

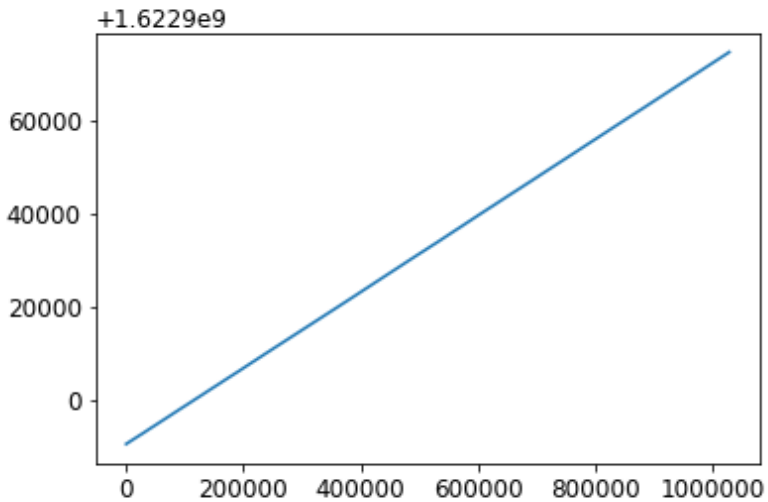
Run 8677

Krypton Calibration Group

Conditions and data

Table: Conditions and data for run 8677

Conditions	Data
run number	8677
file range	(0,4967)
date	2021-06-06
lab temperature:	20.4 deg
Total number of S2s	1322243
Total number of events	1293071



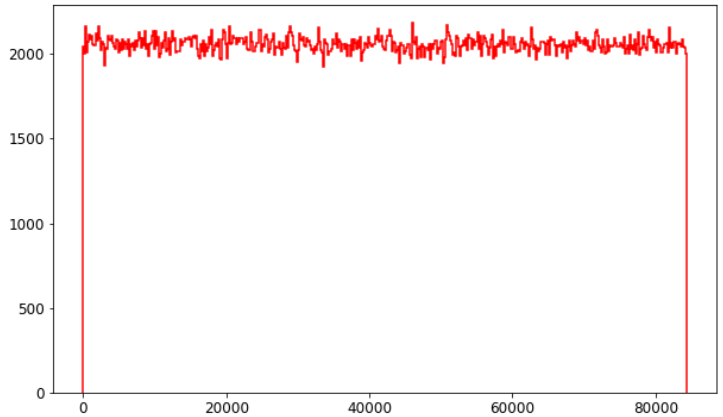


Figure: Run data.

Table: S1 & S2 for run 8677

Conditions	Data
fraction of S1s	0.87
fraction of S2s (1 S1)	0.98
fraction 1 S2 & 1 S1	0.85

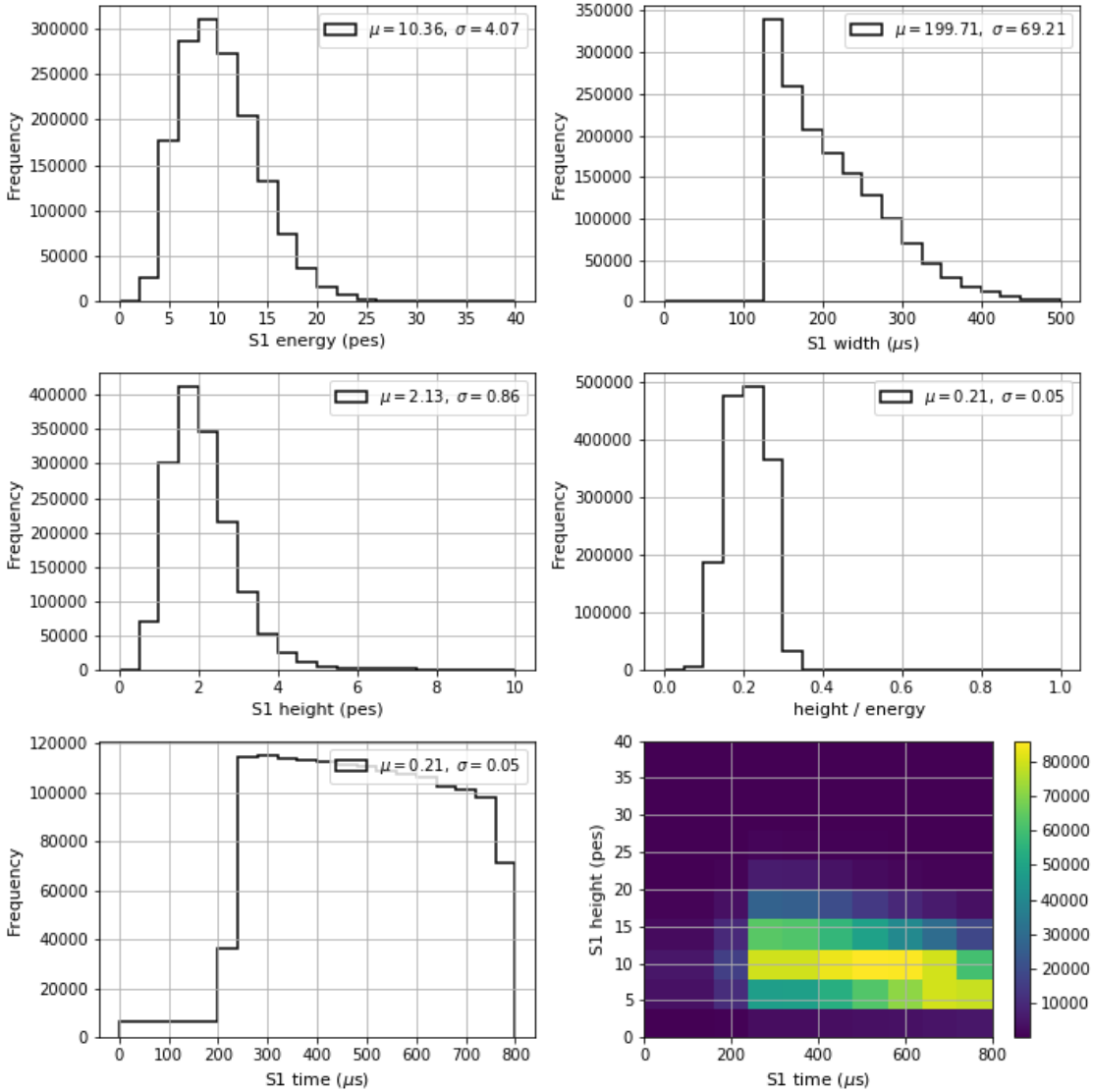


Figure: S1 distributions.

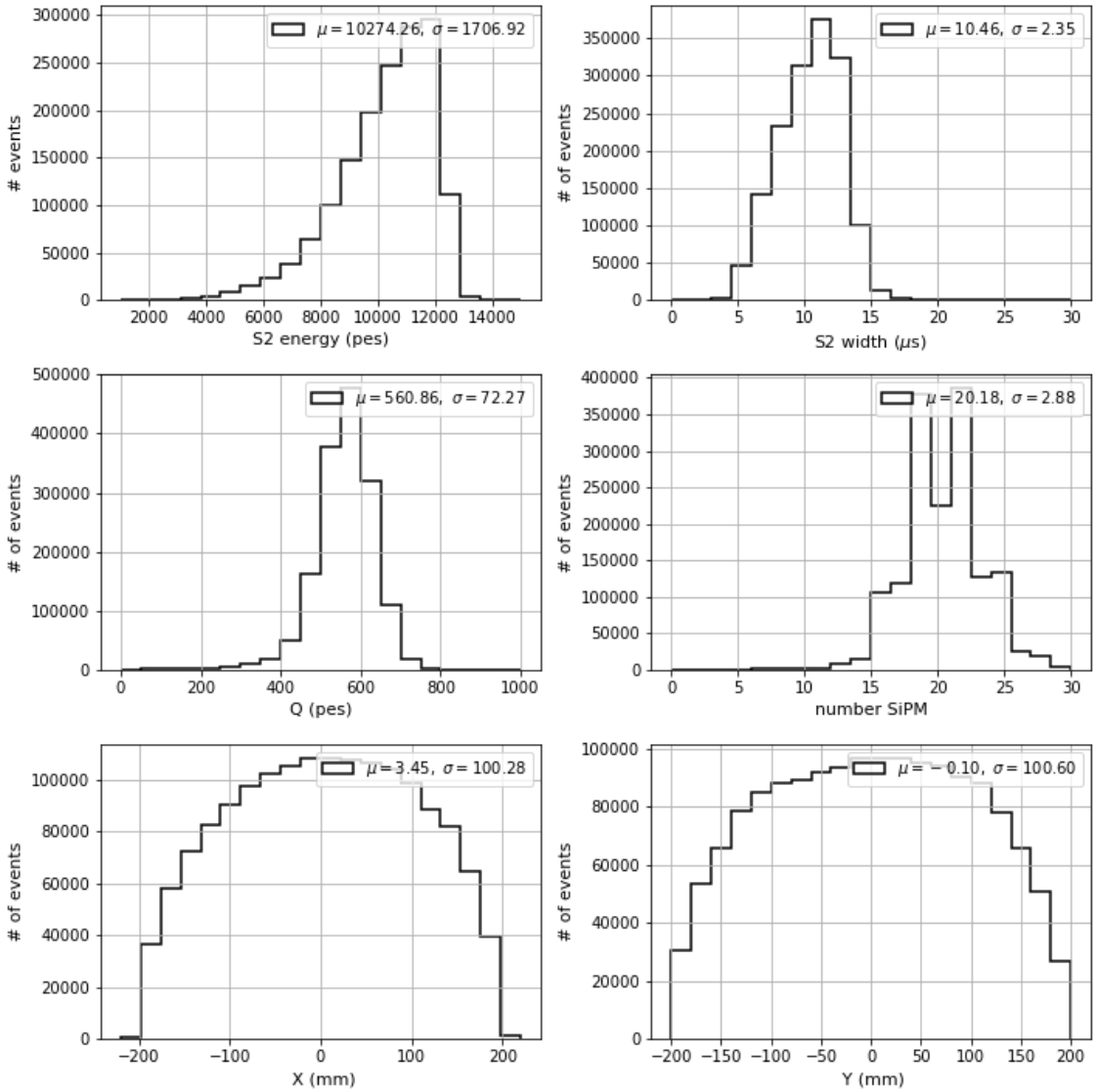


Figure: S2 distributions.

Control distributions

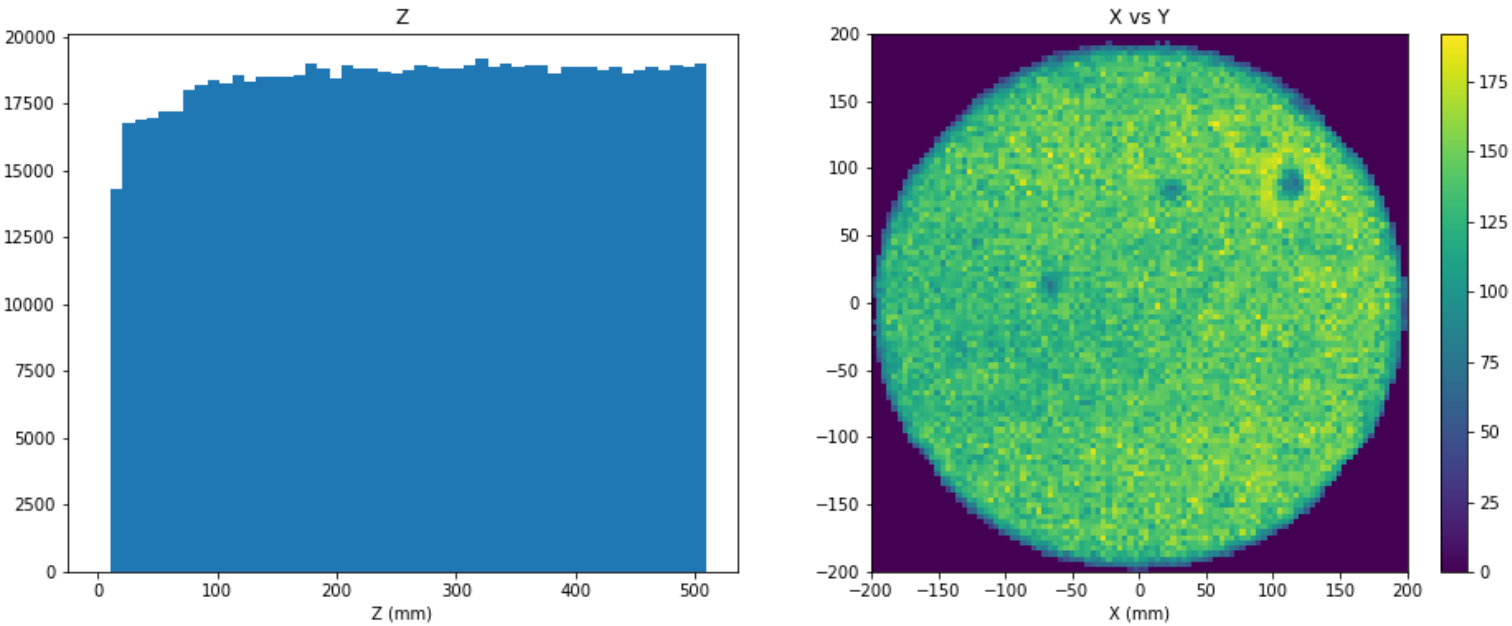


Figure: XYZ distribution.

Lifetime maps

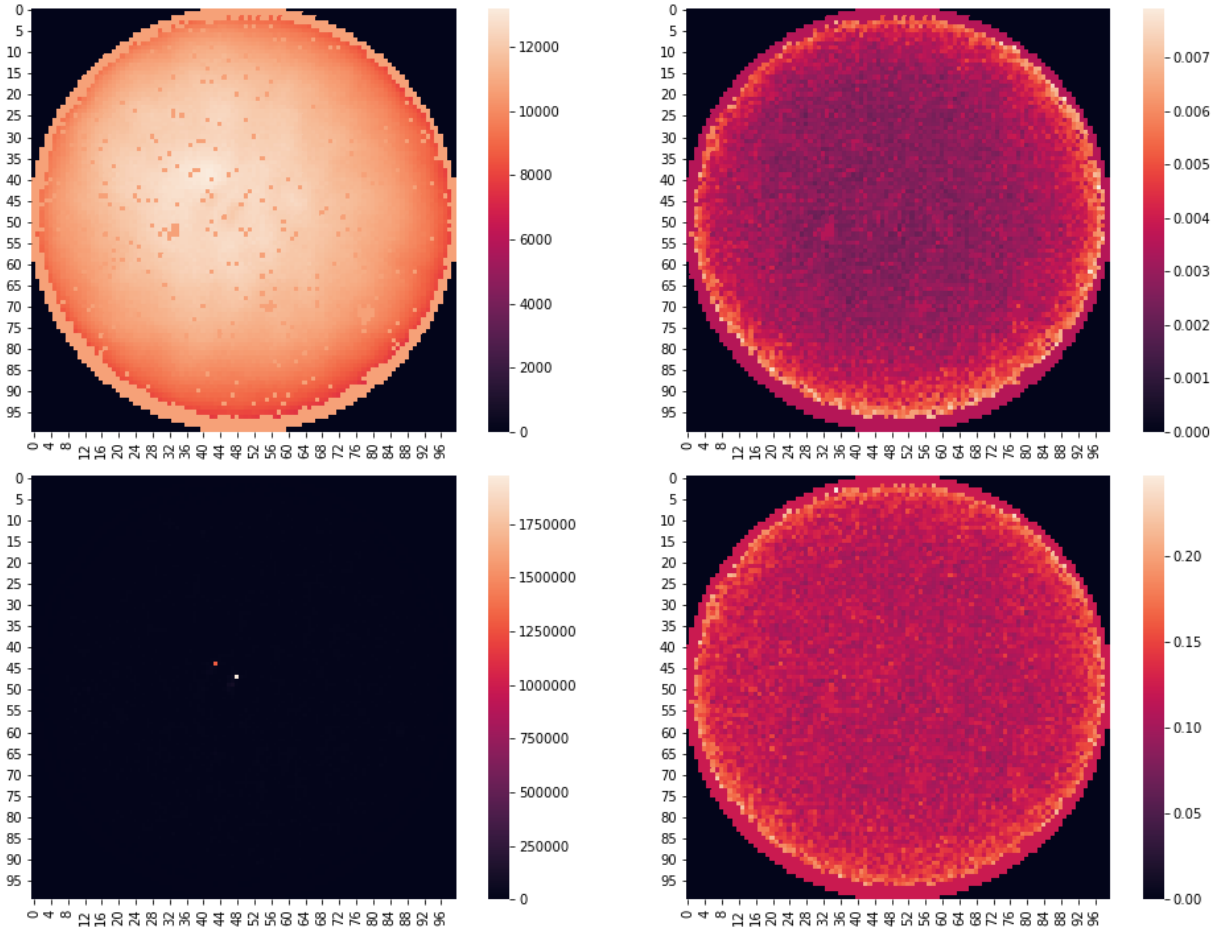


Figure: Lifetime and geometrical map.

Lifetime maps

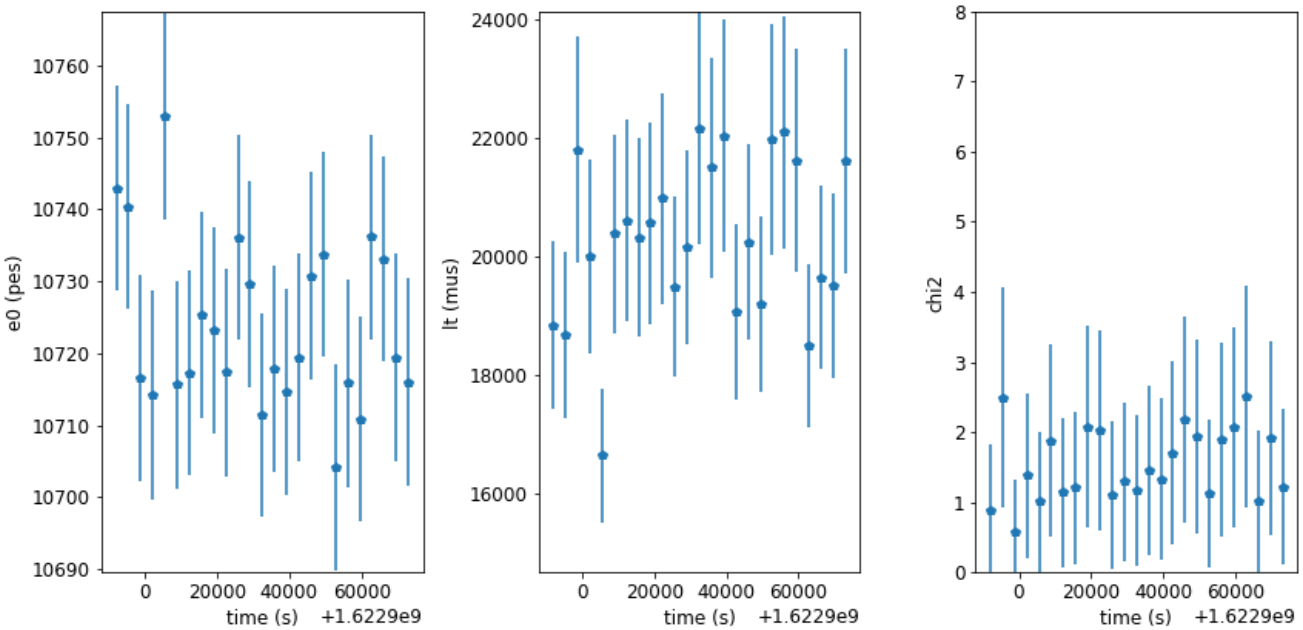
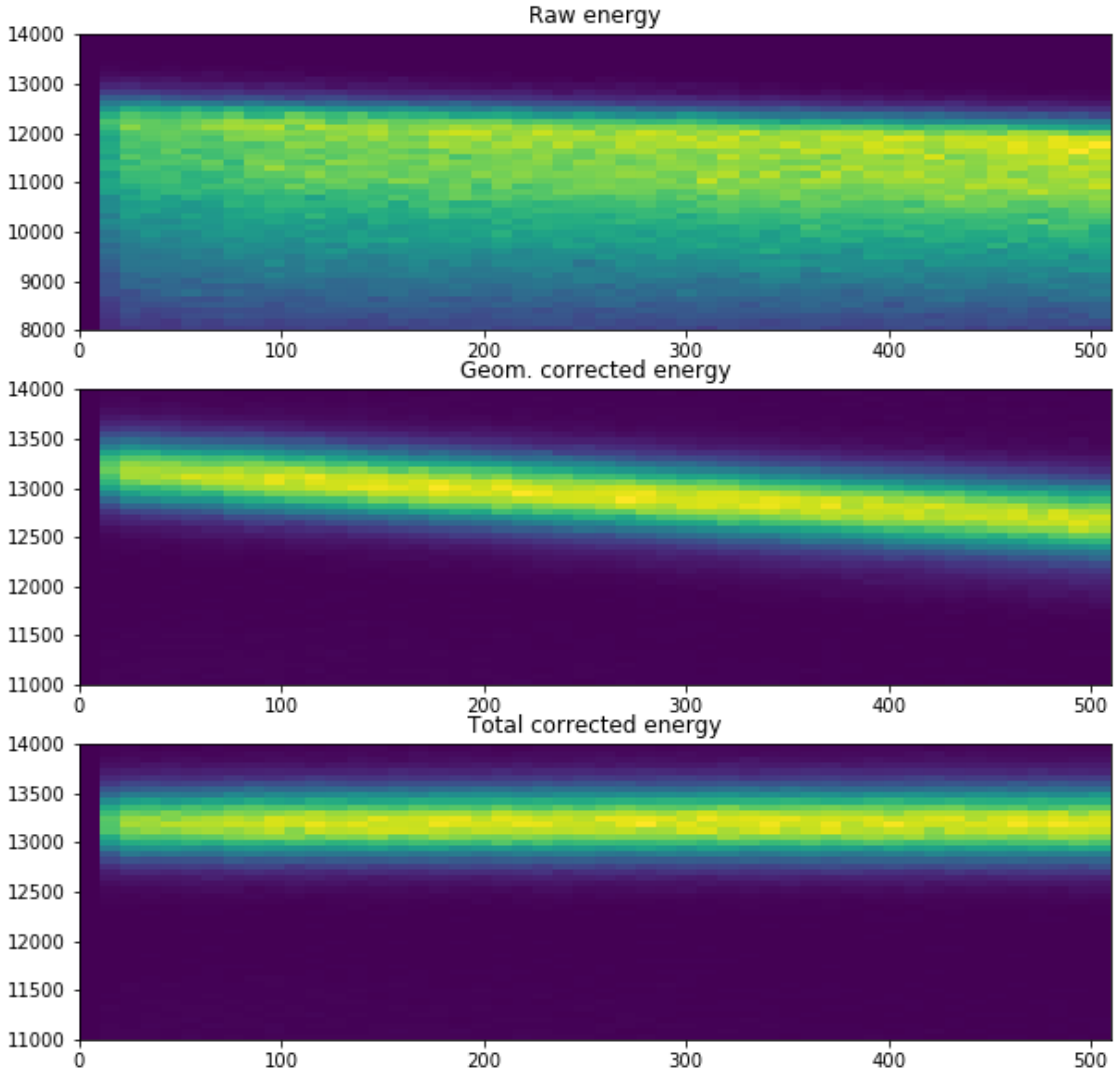


Figure: Average lifetime.

Lifetime and geometry correction



R Profile showing R dropout

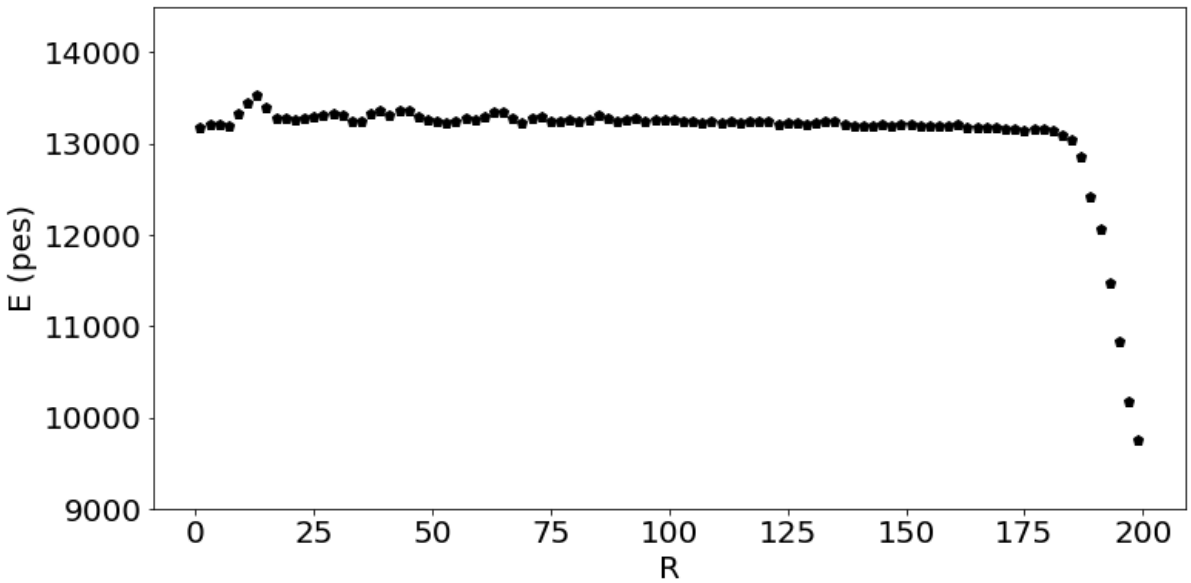


Figure: R profile shows that fiducial volume must be $R < 180$mm.

Profiles after $R < 180$mm

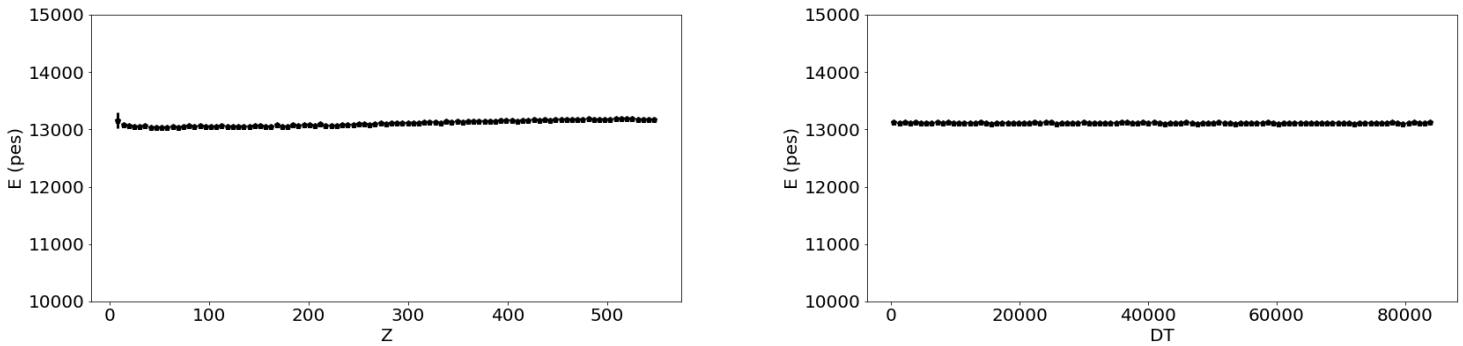


Figure: Profiles showing correction is robust.

Resolution fits as a function of R and Z

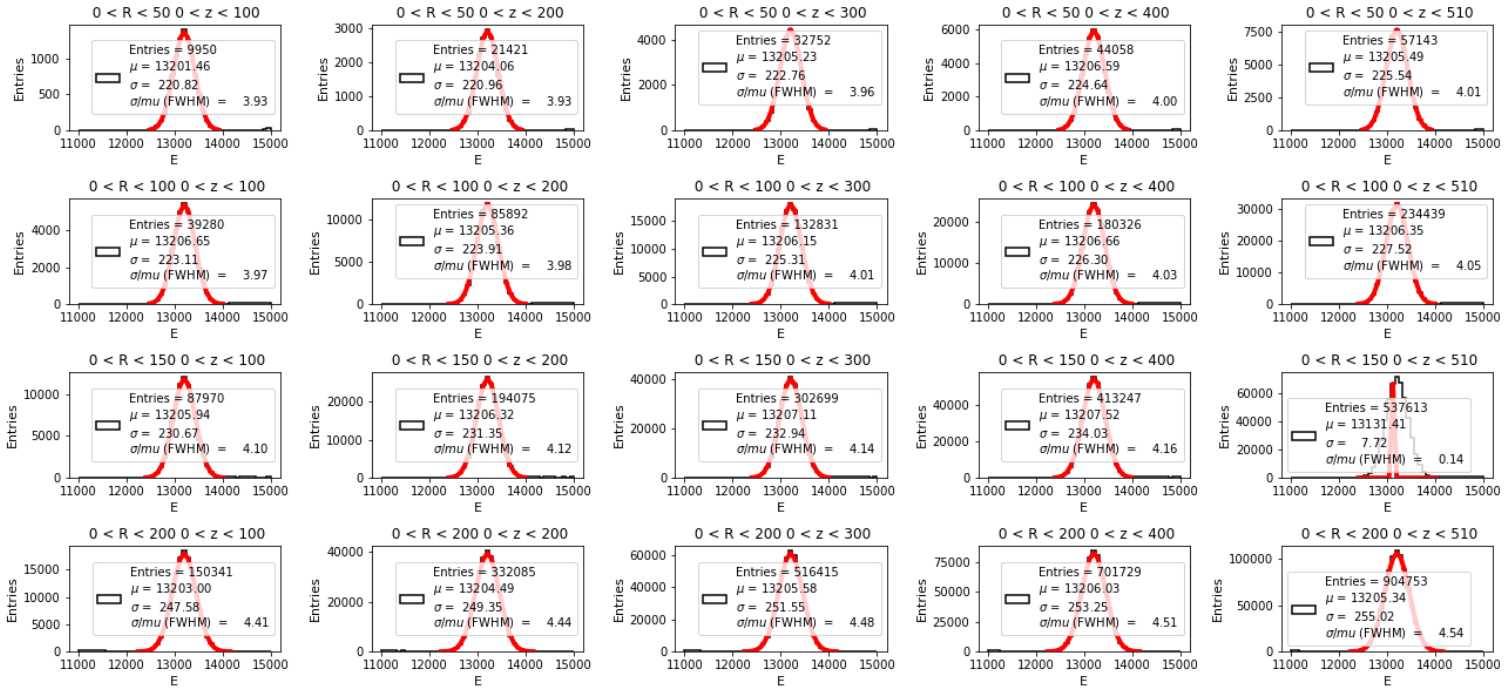


Figure: Resolution fits.

Resolution as a function of R and Z

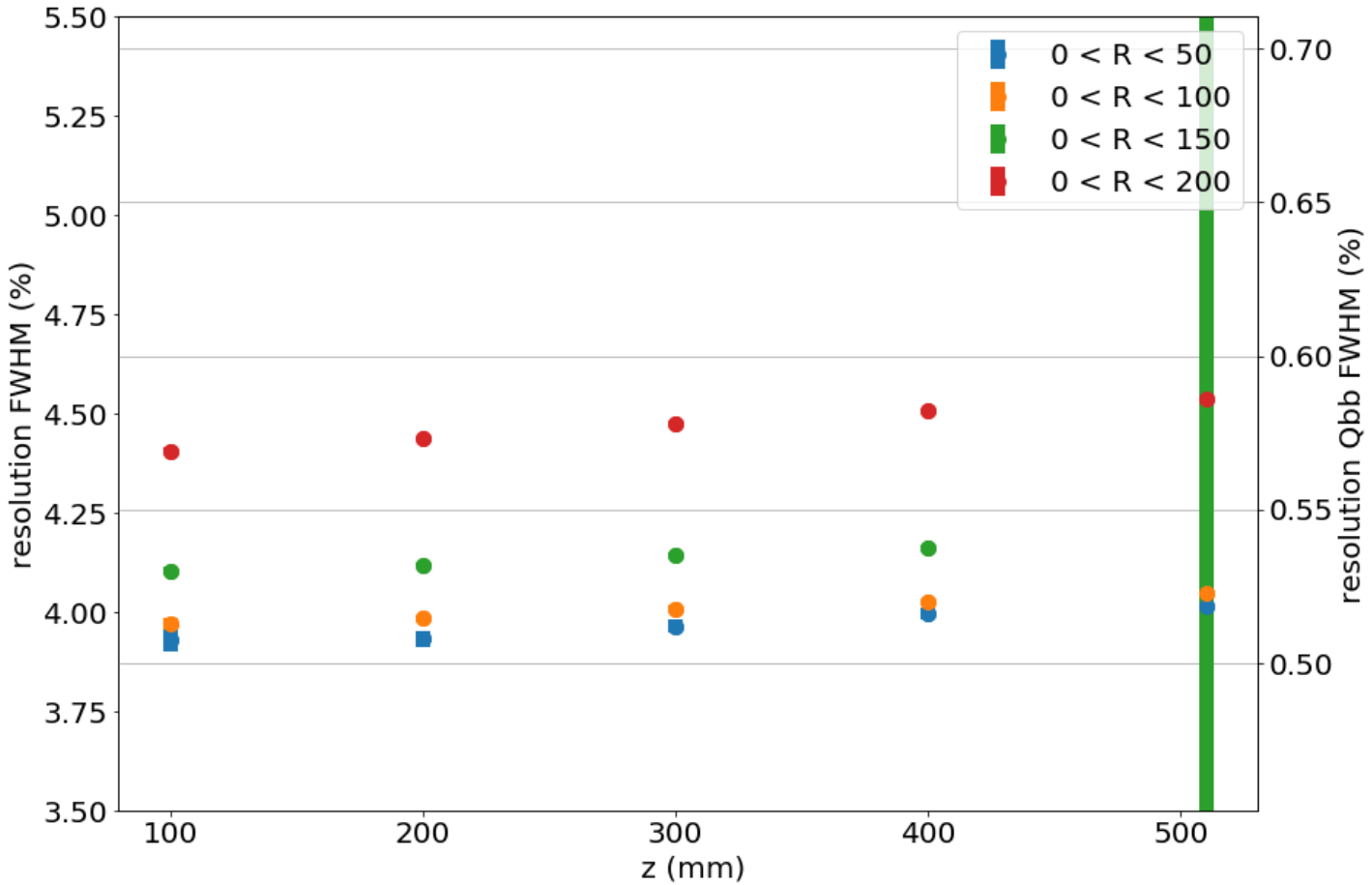


Figure: Resolution fits.

Efficiency over time

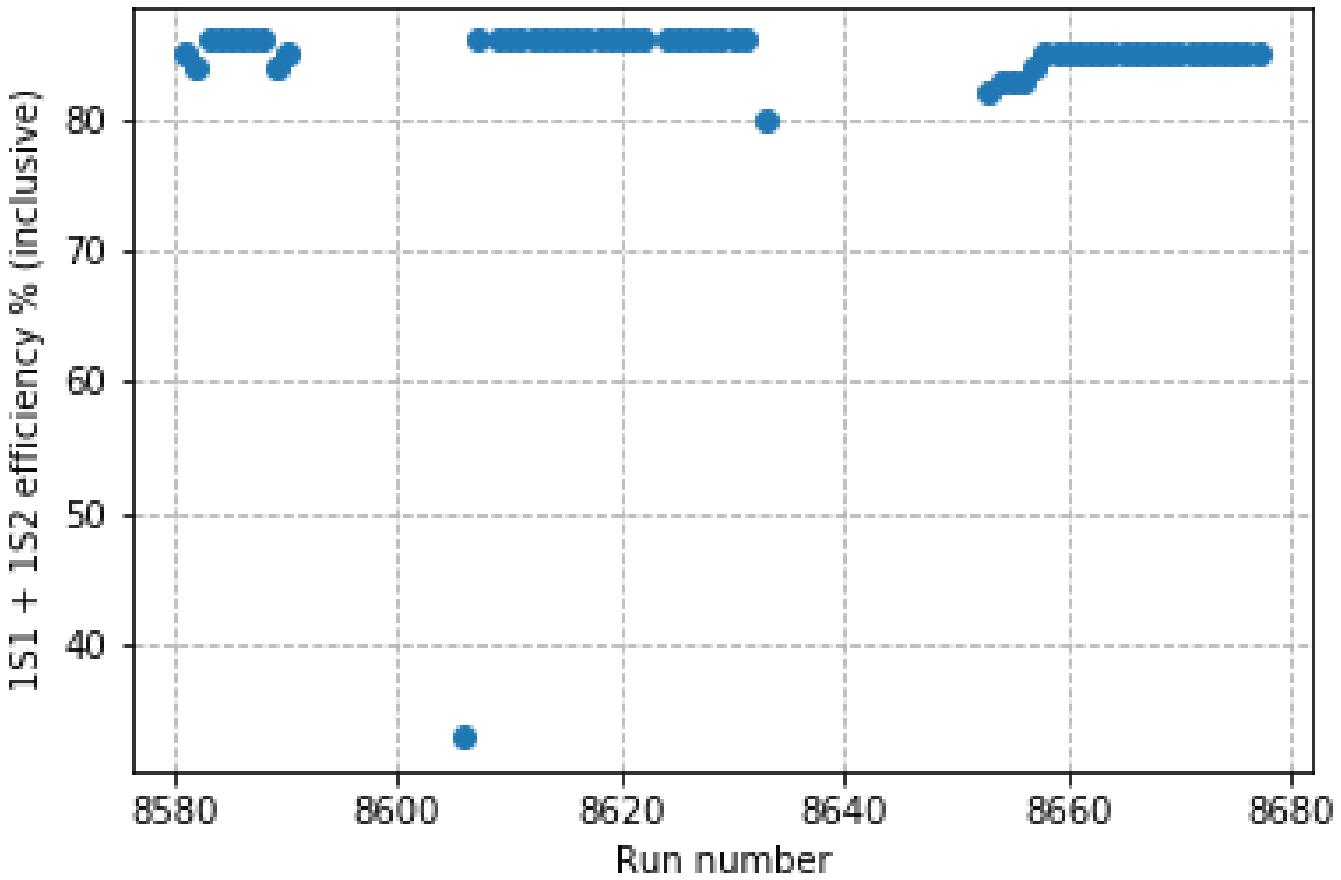


Figure: Efficiency tracking over time.

Response over time

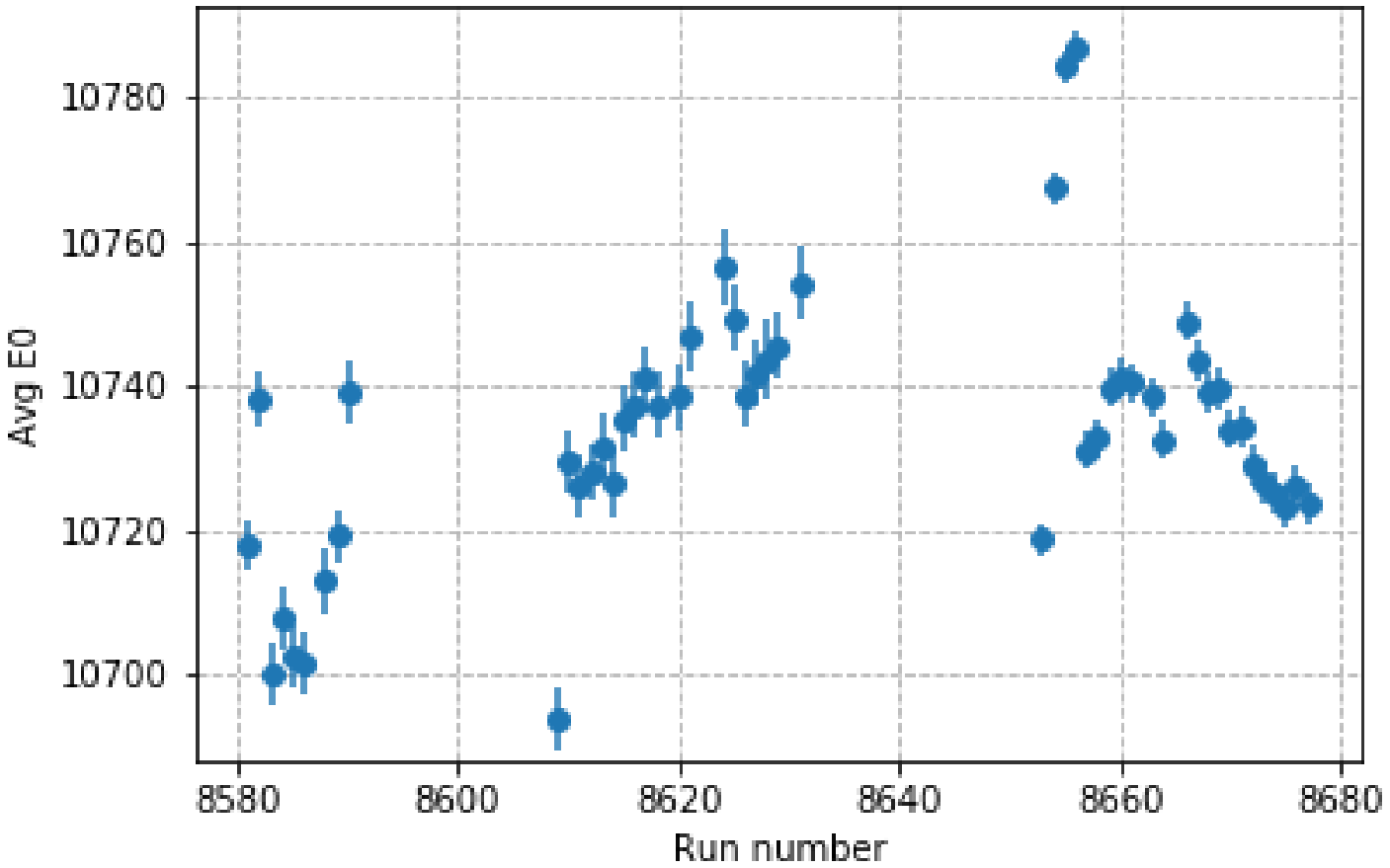


Figure: Response tracking over time.

Lifetime over time

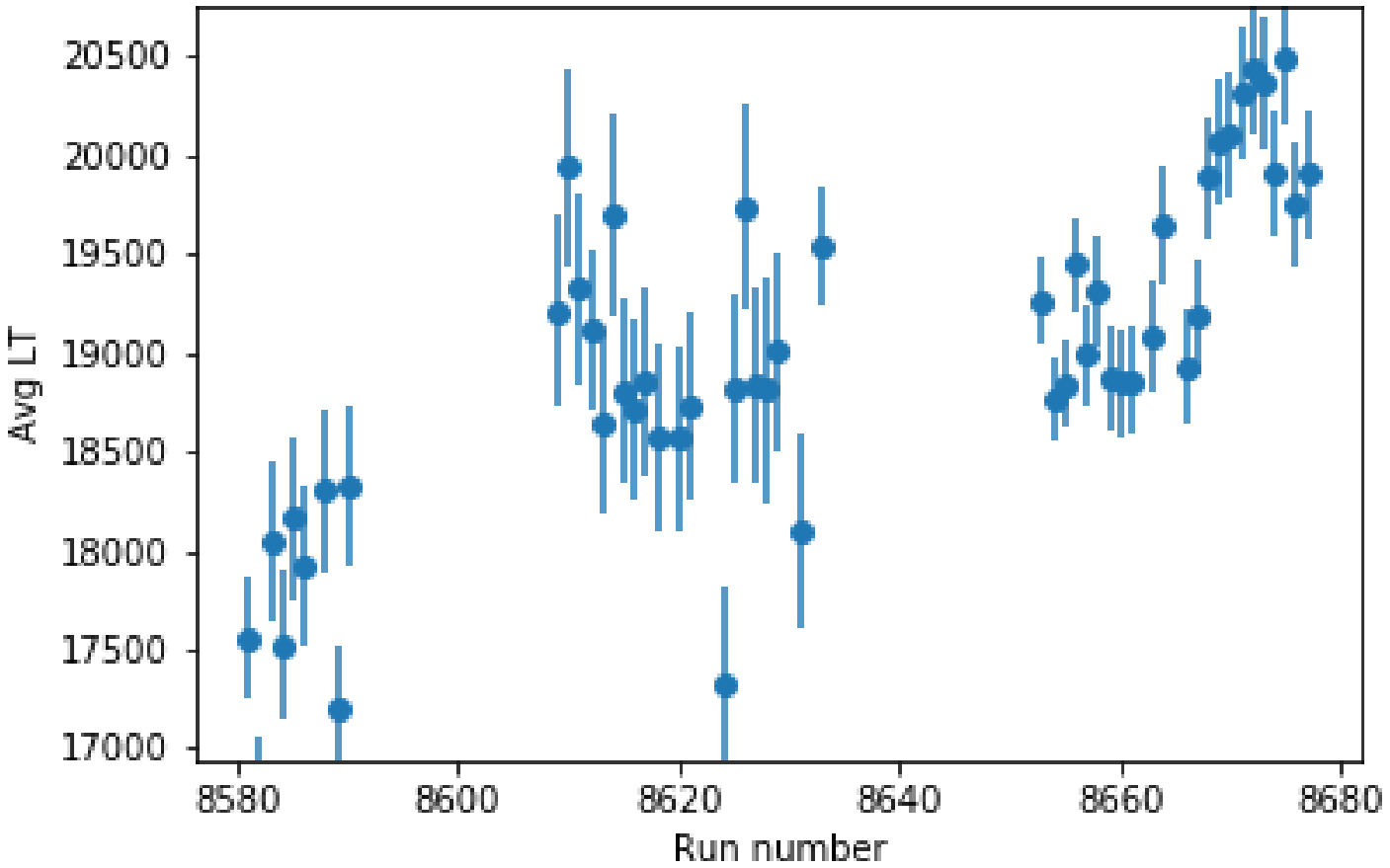


Figure: Lifetime tracking over time.

Resolution over time

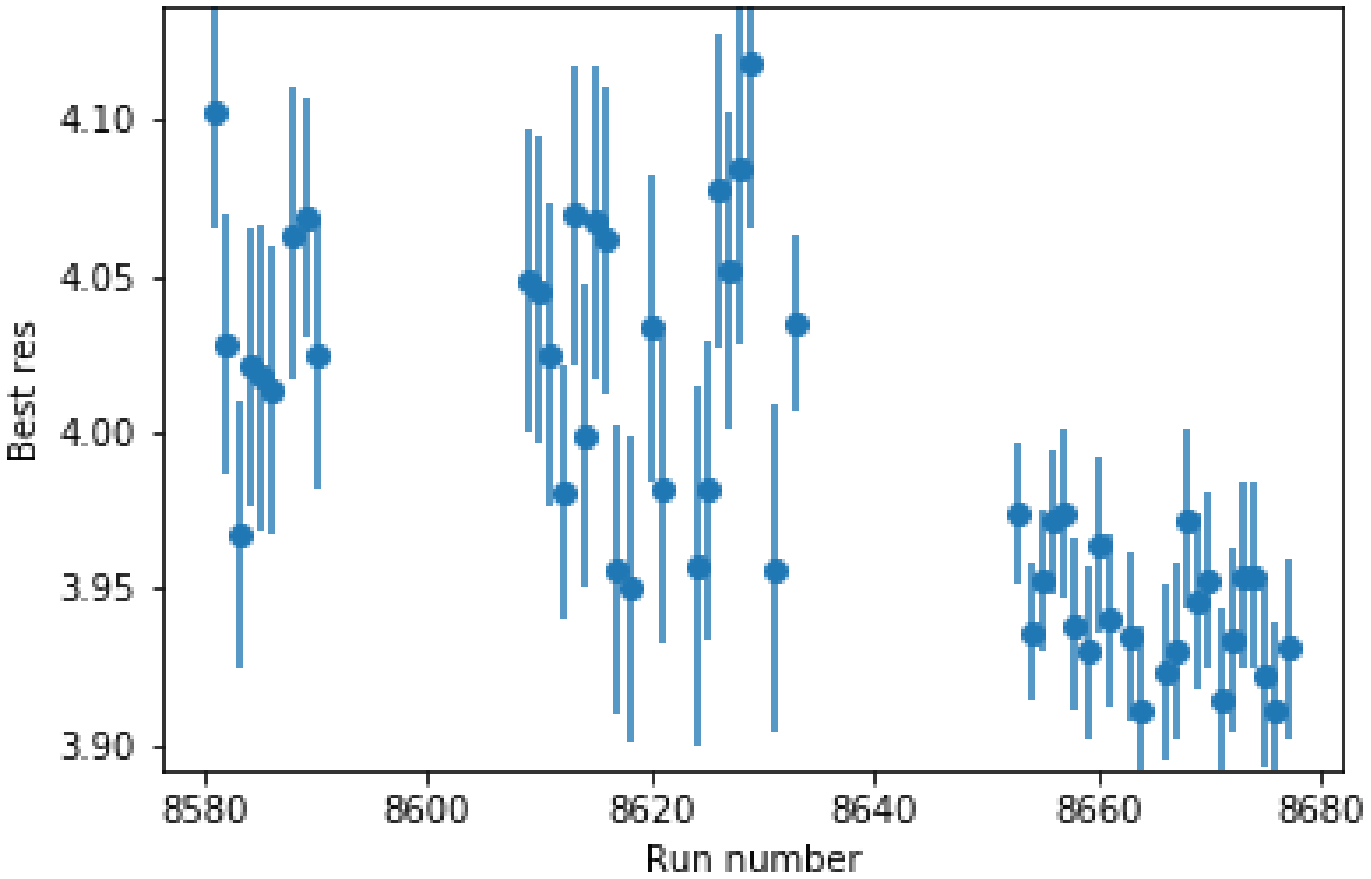


Figure: Resolution tracking over time.