Krypton Calibration
Run 7200

Krypton Calibration Group

Table: Conditions and data for run 7200

Conditions	Data
run number	7200
file range	(0,6696)
date	2019-06-20
lab temperature:	nan deg
Total number of S2s	3327805
Total number of events	1574376
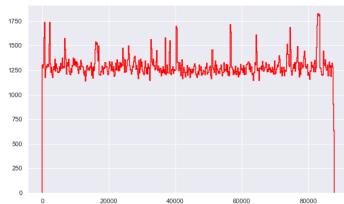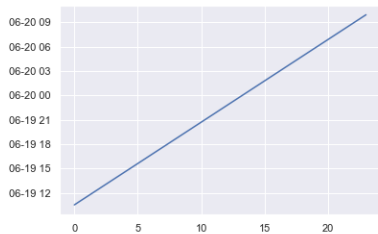
Figure: Run data.

Table: S1 & S2 for run 7200

Conditions	Data
fraction of S1s	0.23
fraction of S2s (1 S1)	0.96
fraction 1 S2 & 1 S1	0.22

Table: S1 & S2 selection for run 7200

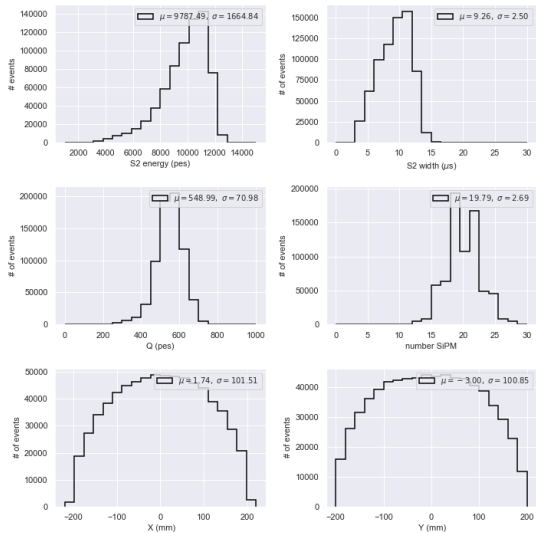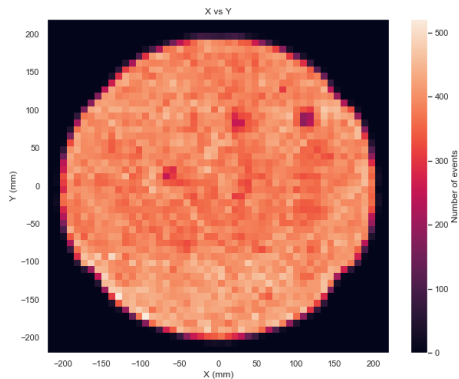| Variables	Data
s_1 energy	3 pes to 25 pes
s_2 energy (PMTs)	3000 pes to 13000 pes
s_2 charge (SiPMs)	200 pes to 800 pes
s_2 width	5 μs to 15 μs
n_{sipm} min	15
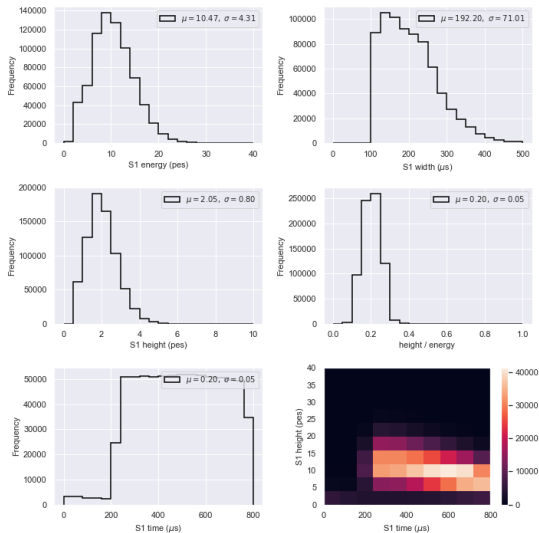
Figure: S1 distributions.
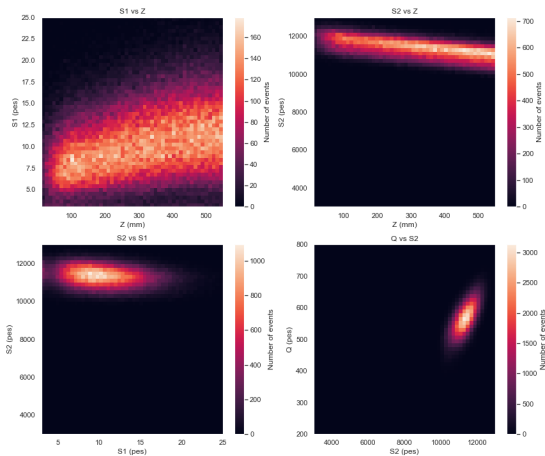
Figure: S2 distributions.

Figure: XY distribution.

Figure: S1, S2 & Q distributions.
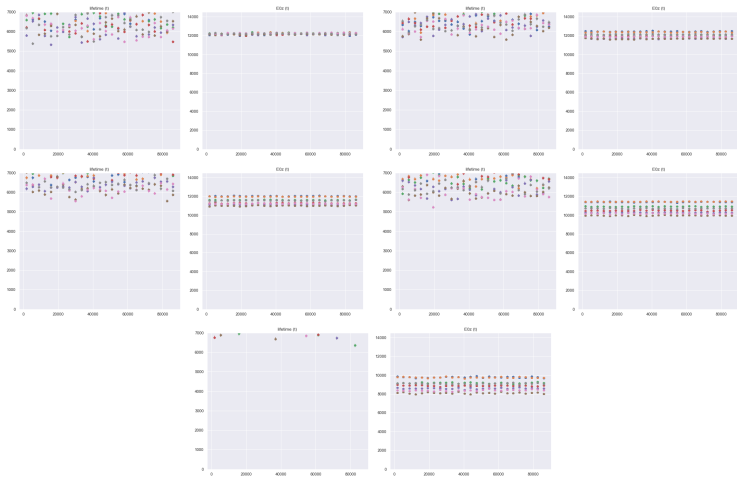
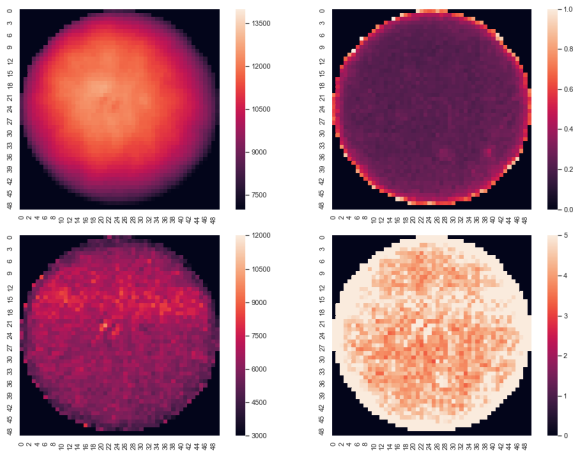Figure: Distributions of lifetime and E_0 for 5 radial sectors (40, 80, 120, 160, 200).
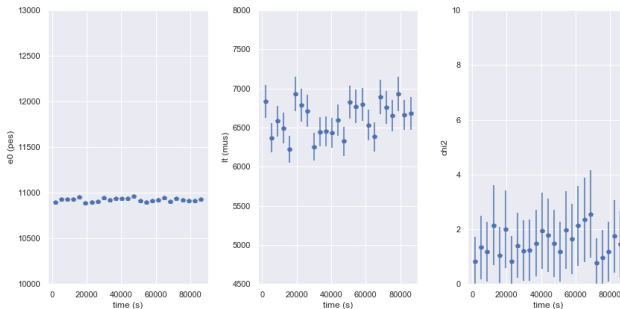
Figure: Lifetime and geometrical map.

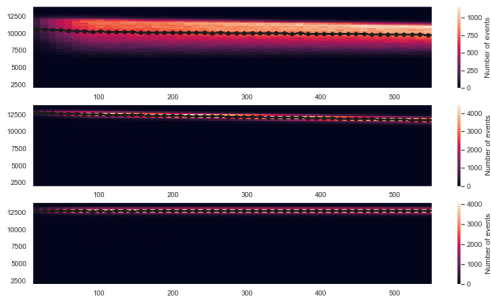Figure: Average lifetime.

Figure: Lifetime and geometry correction.

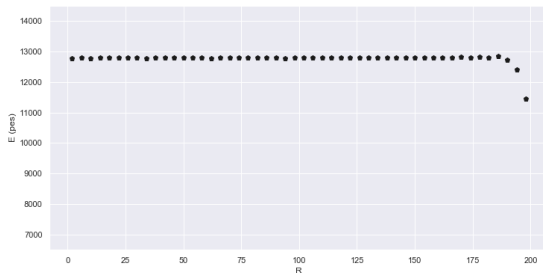Figure: R profile shows that fiducial volume must be $R < 180$mm.
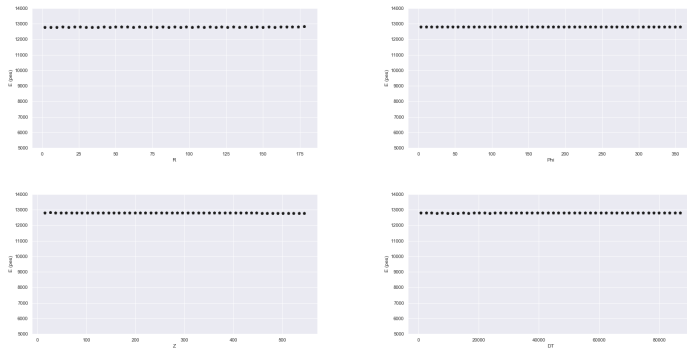
Figure: Profiles showing correction is robust.
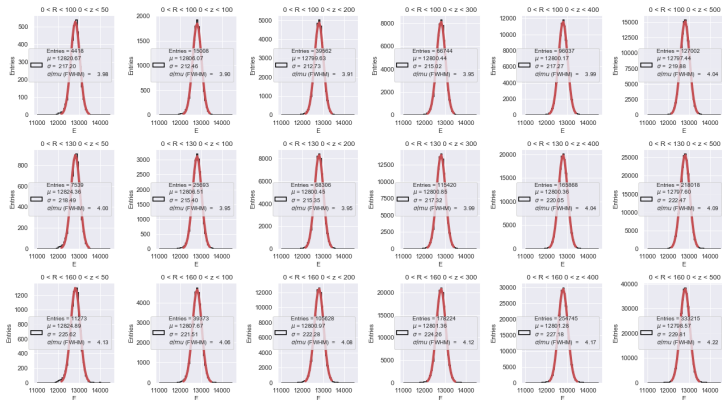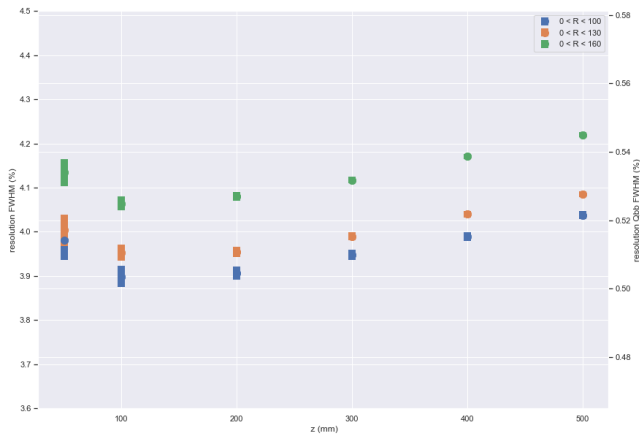
Figure: Resolution fits.

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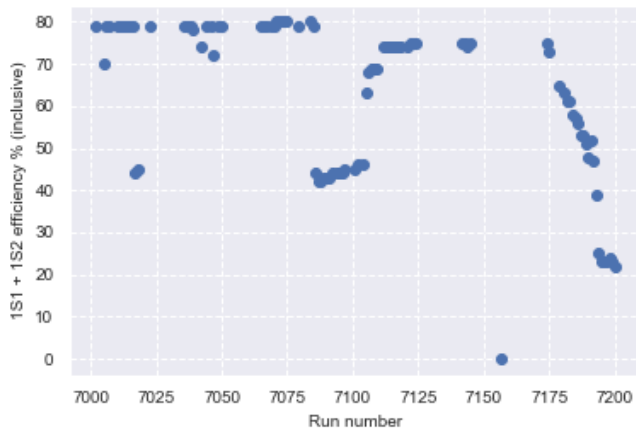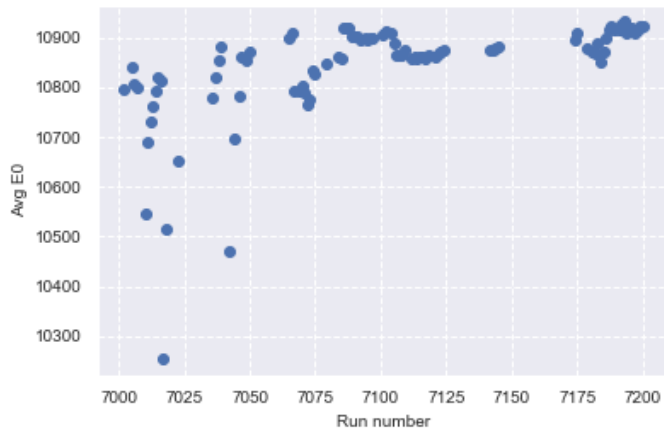
Figure: Efficiency tracking over time.
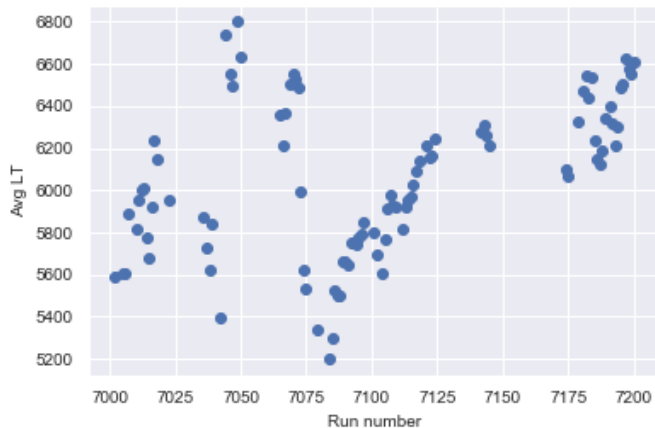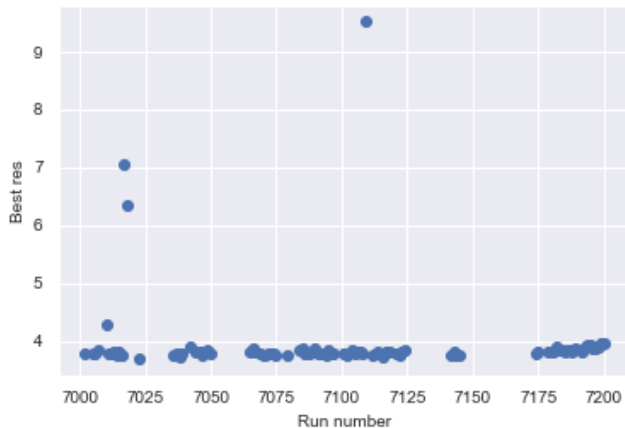
Figure: Response tracking over time.

Figure: Lifetime tracking over time.

Figure: Resolution tracking over time.