Proto type

Text boxes (flowchart, top to bottom):

- In / Text D(i)
- Smooth for noise
- find peaks
- remove false +ves
- group into Mass, PE waves
- Events [(S,P,E)]
- Out / Plot D [S,P,E] — Peak

Notes:

Savitzky–Golay (lead □'s poly) — ✓

gaussian (fft — deplane — ifft) lose peaks

convole window

roll median ?   loss peaks ?

find_peaks_cwt → miss peaks

argrelextrema ⎫
              ⎬ — ✓
find_peaks ⎭ ← rove false +ves

— logic (next to remove false +ves)

— logic (next to group into Mass, PE waves)

need order
size
↳ (fft)
↳ auto correlation
↳ Harm prod spectrum

fill →
(FFT best)

~400

100	263	261		1	285
	152	287		2	158
	256	(60)		3	227
	379	341		4	387

need   Events [start, Peak, end]