

ProtoDUNE-SP

Standalone Arapuca

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Run Info

Run logs,

<https://docs.google.com/spreadsheets/d/1j22lp80CuadYQdBHWP0lhc5mThz8V35QL-e9XvqxN0/edit#gid=0>

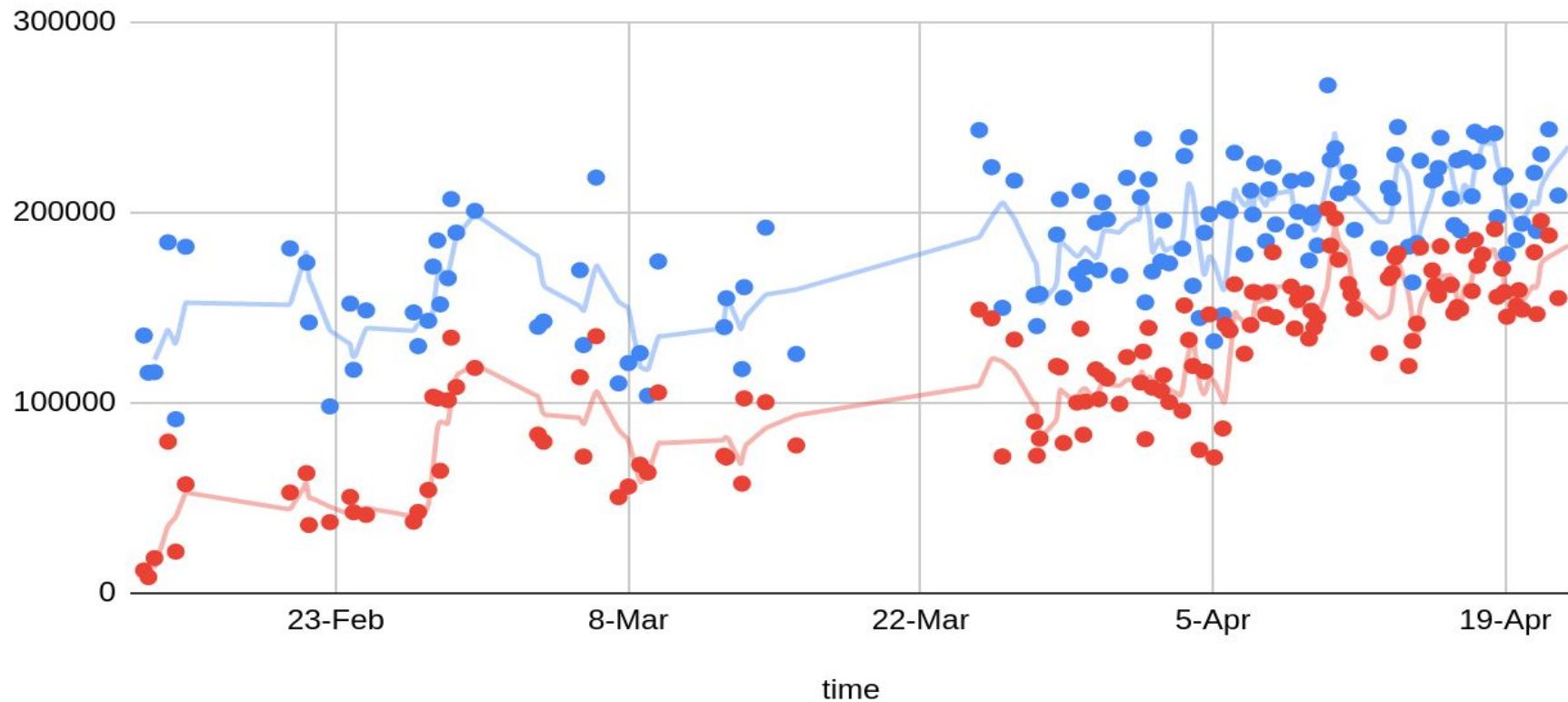
Number of run is over 140 (exactly 10000 waveform)

https://cernbox.cern.ch/index.php/apps/files/?dir=/_myprojects/flic2019/Data/ProtoDUNE_SP/XeDoping_Feb2020&

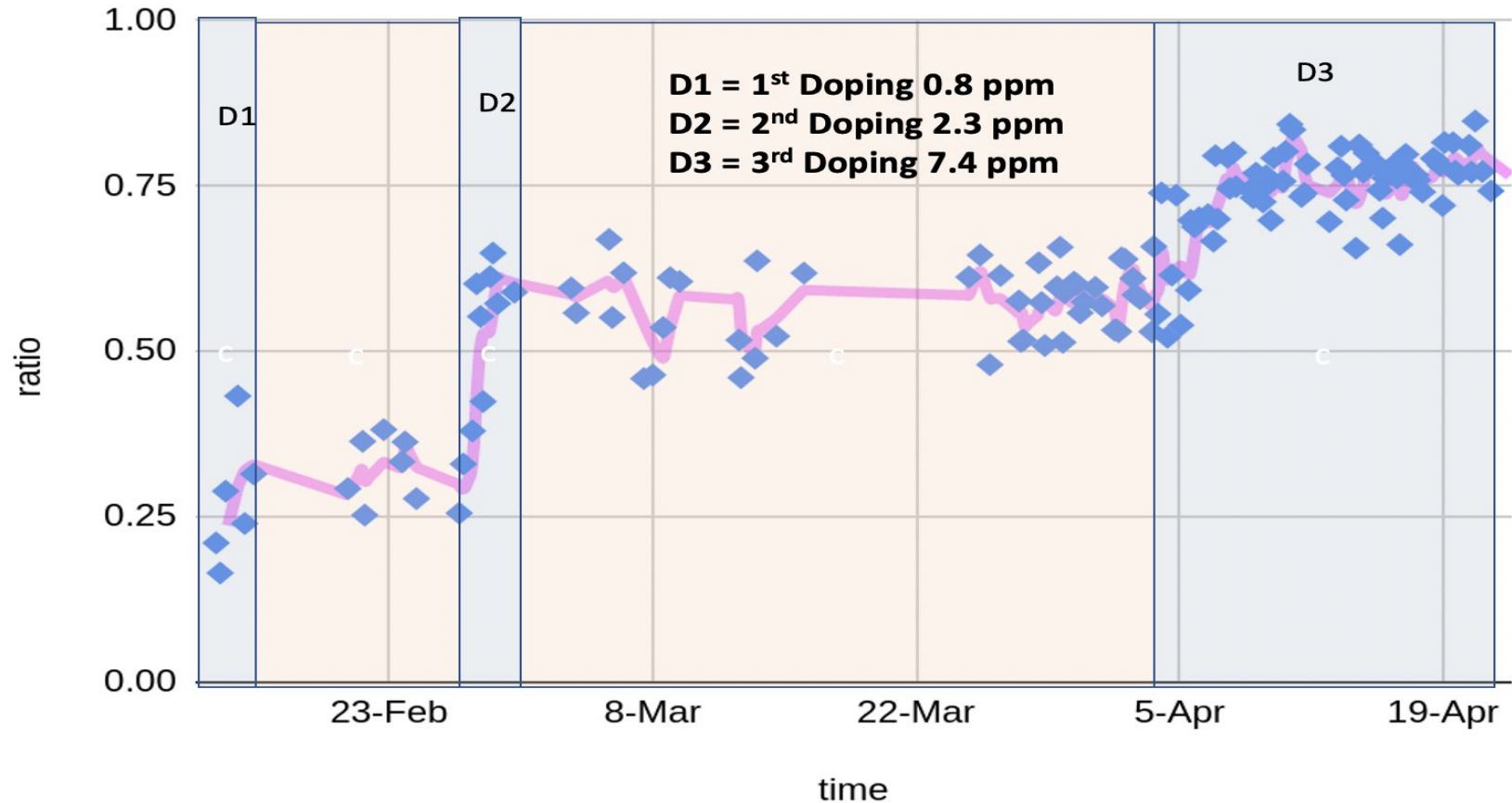
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2020-02-13_18-45-23	2020-02-21_17-03-34	2020-03-02_14-33-42	2020-03-16_01-12-03	2020-03-30_13-03-04	2020-04-04_14-25-02	2020-04-09_01-32-23	2020-04-14_09-02-49	2020-04-18_14-53-28
2020-02-13_18-48-59	2020-02-22_17-12-50	2020-03-03_16-19-55	2020-03-24_16-41-13	2020-03-30_17-21-51	2020-04-04_19-56-49	2020-04-09_10-35-33	2020-04-14_13-25-18	2020-04-18_20-22-52
2020-02-13_19-05-00	2020-02-23_16-29-08	2020-03-03_22-45-07	2020-03-24_19-28-00	2020-03-30_22-28-09	2020-04-05_01-32-08	2020-04-09_14-30-15	2020-04-14_18-27-16	2020-04-18_23-22-27
2020-02-13_19-27-47	2020-02-23_20-23-44	2020-03-05_16-34-38	2020-03-25_09-44-25	2020-03-31_12-41-01	2020-04-05_11-28-18	2020-04-09_17-01-07	2020-04-14_22-21-24	2020-04-19_01-55-47
2020-02-14_00-34-41	2020-02-24_10-52-25	2020-03-05_20-40-54	2020-03-25_14-49-38	2020-03-31_21-11-23	2020-04-05_14-17-13	2020-04-09_20-32-27	2020-04-15_12-05-43	2020-04-19_12-50-50
2020-02-14_07-35-13	2020-02-26_17-25-27	2020-03-06_11-10-01	2020-03-25_22-08-20	2020-04-01_13-04-47	2020-04-05_19-12-38	2020-04-10_00-11-59	2020-04-15_15-20-47	2020-04-19_15-35-20
2020-02-14_10-14-28	2020-02-26_22-37-37	2020-03-07_12-56-31	2020-03-26_11-50-33	2020-04-01_15-50-17	2020-04-06_00-56-50	2020-04-10_12-05-10	2020-04-15_19-05-56	2020-04-19_19-31-25
2020-02-14_10-29-47	2020-02-27_10-16-47	2020-03-08_00-12-02	2020-03-27_11-12-54	2020-04-01_18-23-19	2020-04-06_12-20-51	2020-04-10_15-16-57	2020-04-15_21-45-00	2020-04-20_00-02-06
2020-02-14_11-03-59	2020-02-27_15-48-53	2020-03-08_13-34-03	2020-03-27_13-43-43	2020-04-01_22-04-27	2020-04-06_14-55-44	2020-04-10_20-40-19	2020-04-16_09-38-35	2020-04-20_09-29-10
2020-02-14_11-35-10	2020-02-27_20-44-12	2020-03-08_22-30-36	2020-03-27_16-58-11	2020-04-02_02-21-19	2020-04-06_19-23-56	2020-04-11_00-26-19	2020-04-16_13-20-33	2020-04-20_12-11-03
2020-02-14_12-11-55	2020-02-27_23-53-44	2020-03-09_10-31-34	2020-03-28_12-34-46	2020-04-02_12-38-44	2020-04-06_21-54-02	2020-04-11_11-39-39	2020-04-16_16-55-11	2020-04-20_17-14-10
2020-02-14_12-49-16	2020-02-28_08-54-47	2020-03-12_14-16-27	2020-03-28_16-08-07	2020-04-02_15-24-23	2020-04-07_00-31-12	2020-04-11_15-10-25	2020-04-16_20-27-16	2020-04-21_02-14-01
2020-02-14_23-04-44	2020-02-28_12-31-10	2020-03-12_14-22-29	2020-03-28_20-21-37	2020-04-02_21-45-44	2020-04-07_12-57-51	2020-04-11_18-53-33	2020-04-17_00-40-22	2020-04-21_13-01-13
2020-02-15_08-01-01	2020-02-28_18-28-36	2020-03-12_16-51-38	2020-03-29_11-53-05	2020-04-03_12-51-31	2020-04-07_16-12-17	2020-04-12_23-15-50	2020-04-17_09-47-20	old
2020-02-15_12-07-21	2020-02-29_15-49-01	2020-03-13_10-35-37	2020-03-29_15-48-35	2020-04-03_15-14-55	2020-04-07_20-53-23	2020-04-13_10-01-06	2020-04-17_13-13-56	
2020-02-15_19-27-13	2020-03-01_02-05-45	2020-03-13_10-48-54	2020-03-29_19-14-10	2020-04-03_20-23-12	2020-04-08_00-10-37	2020-04-13_14-15-05	2020-04-17_15-51-13	
2020-02-20_19-23-41	2020-03-01_05-03-40	2020-03-13_13-20-34	2020-03-29_21-44-54	2020-04-04_01-04-19	2020-04-08_17-59-40	2020-04-13_17-42-38	2020-04-17_21-54-24	

non and Quartz

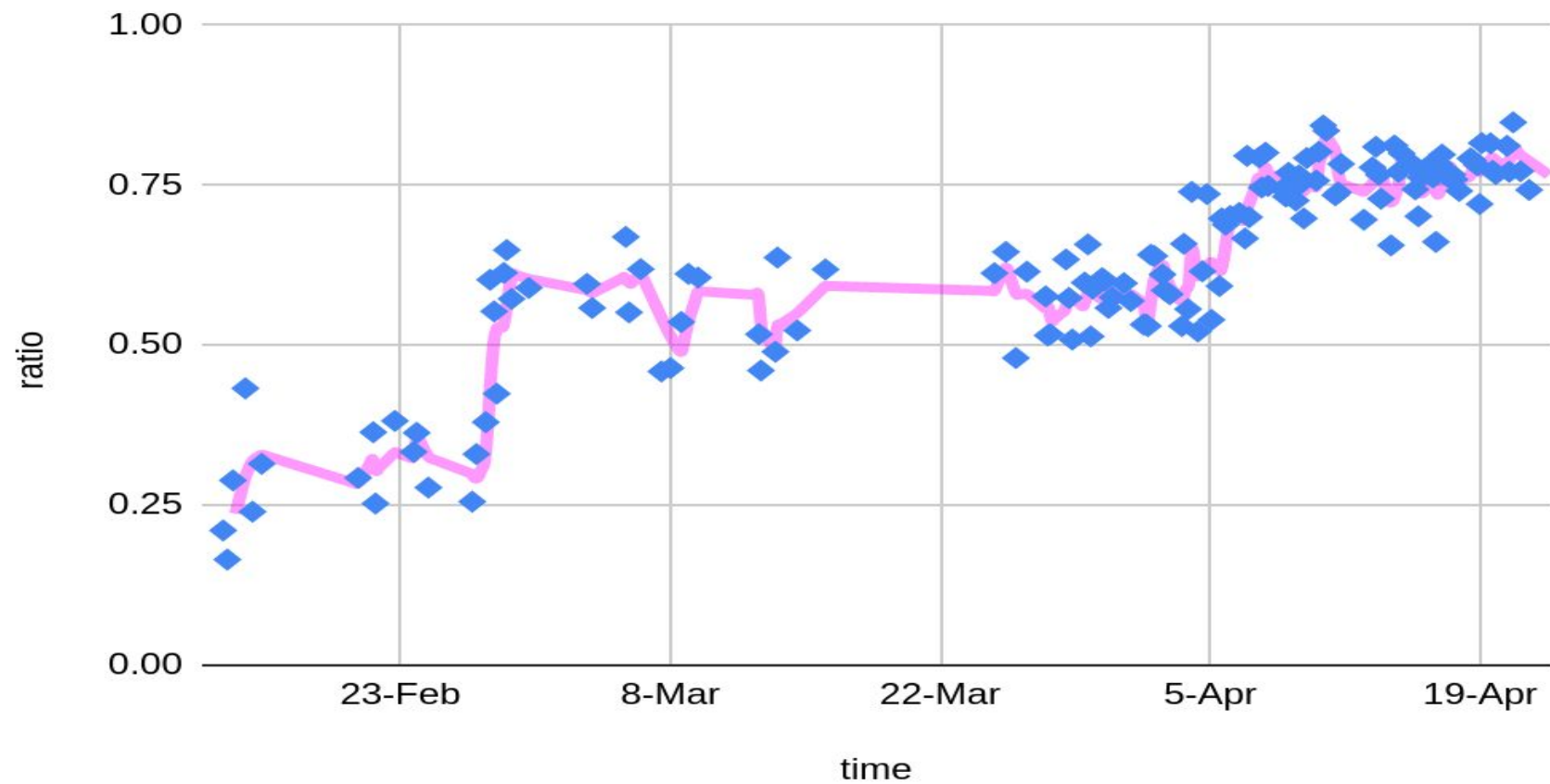
noWindow Quartz



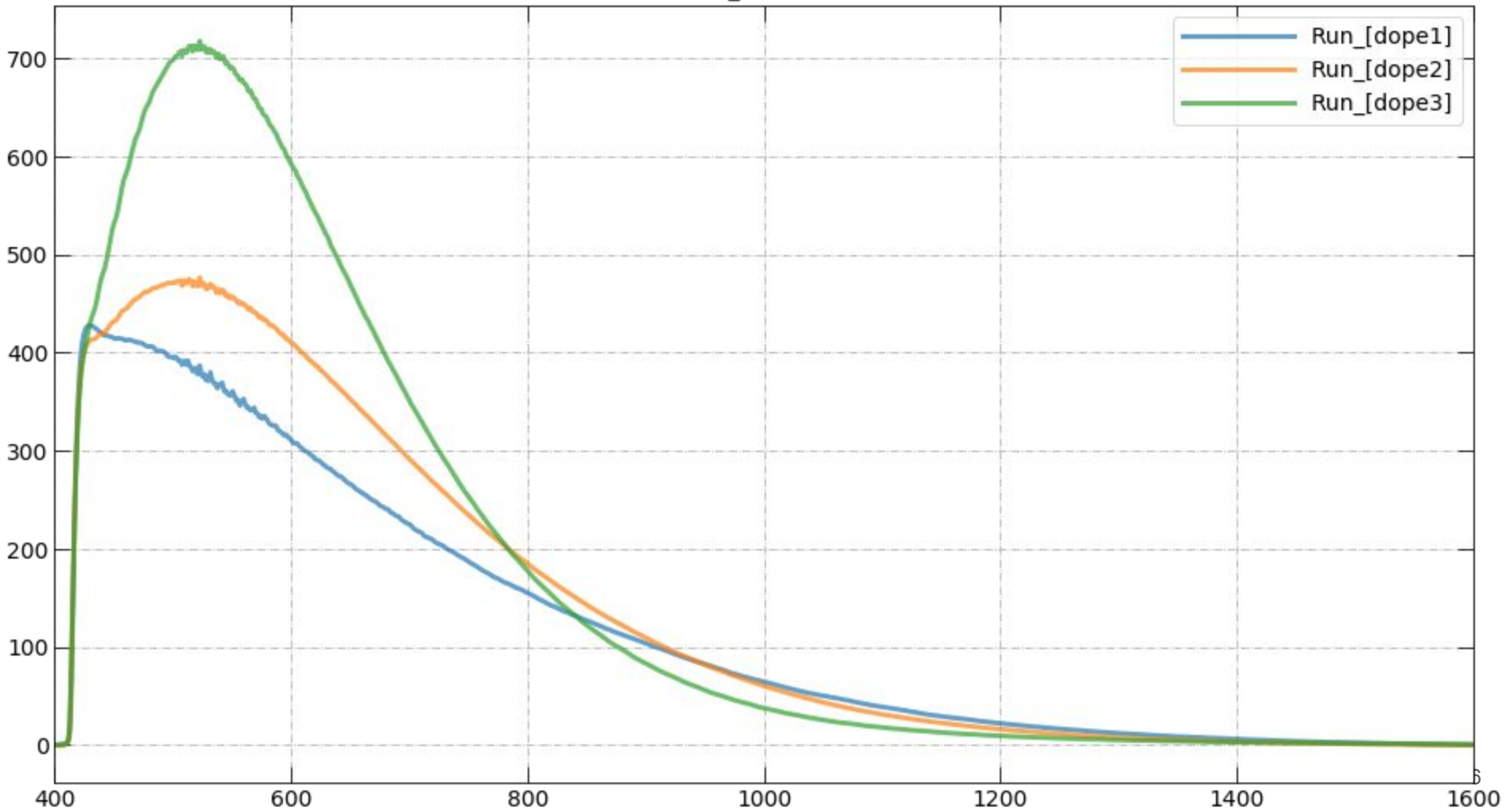
ratio vs. time



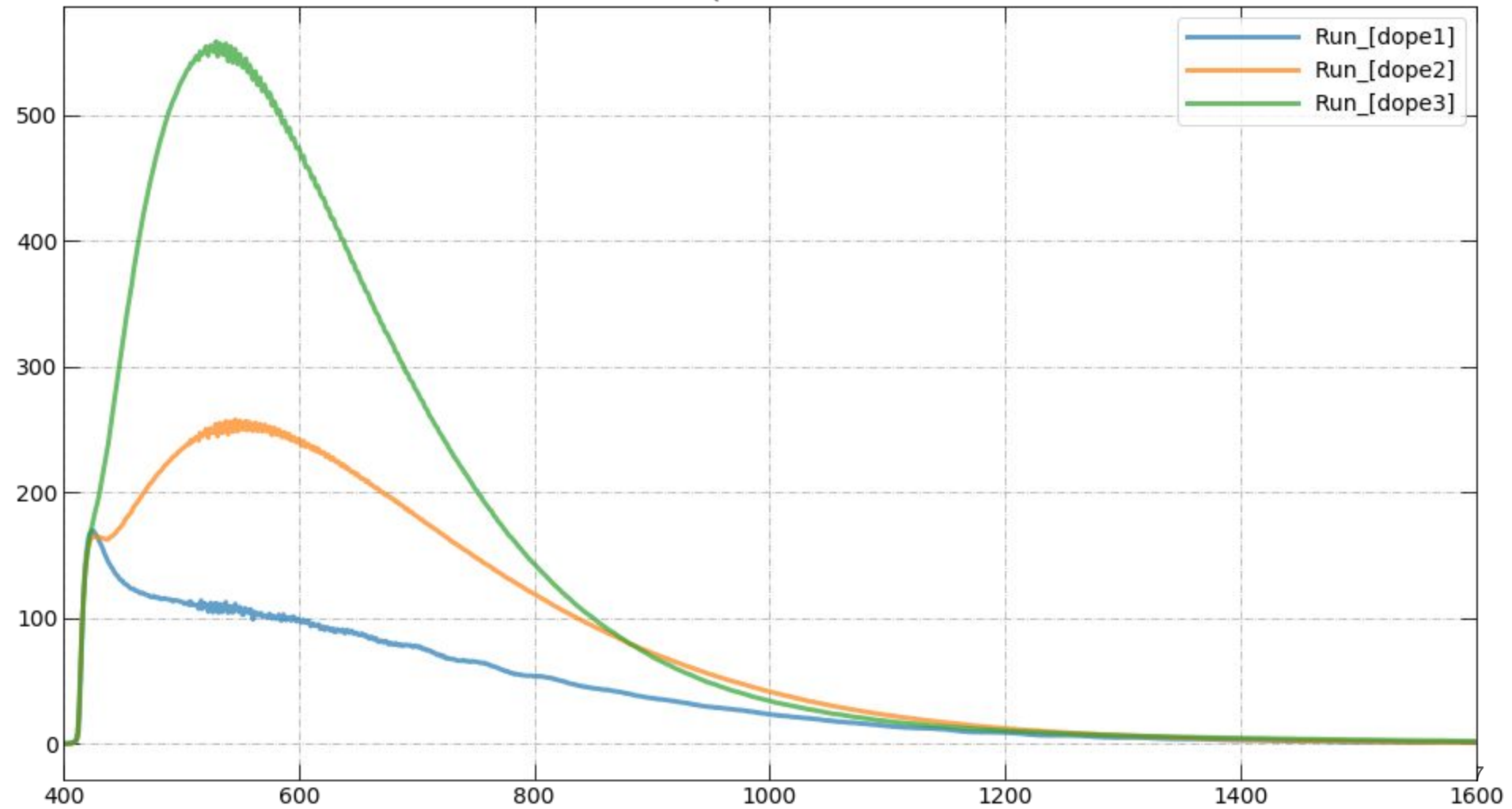
ratio vs. time



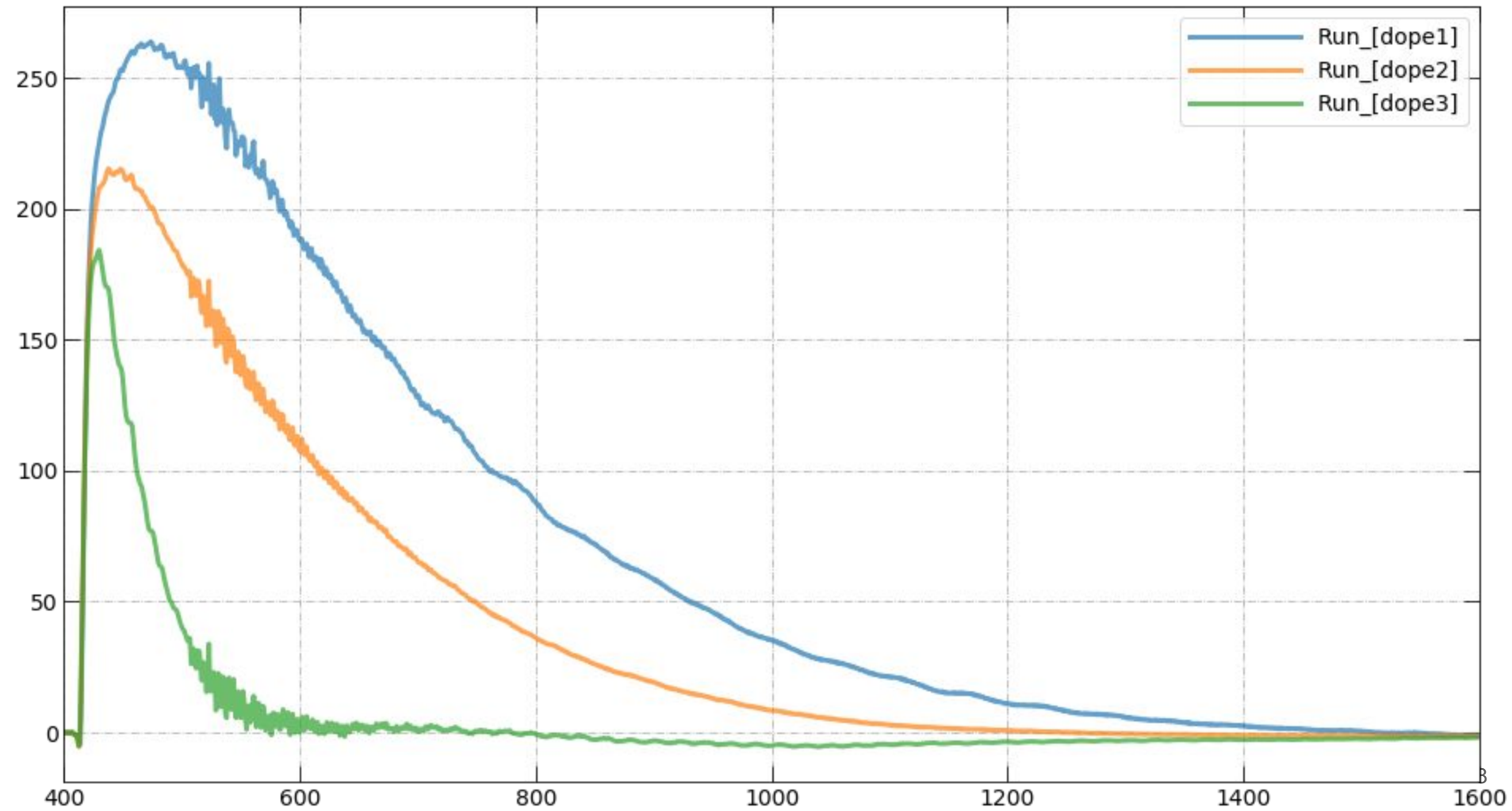
no_window

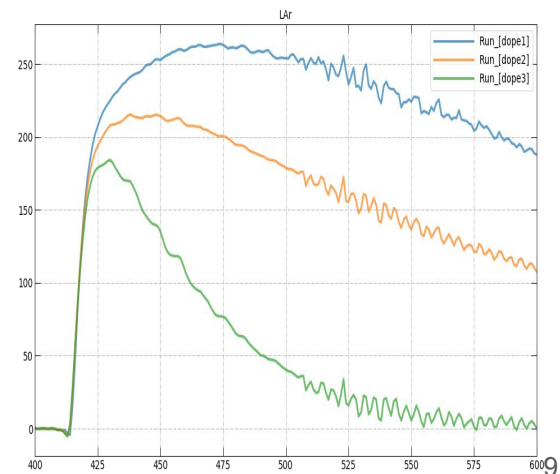
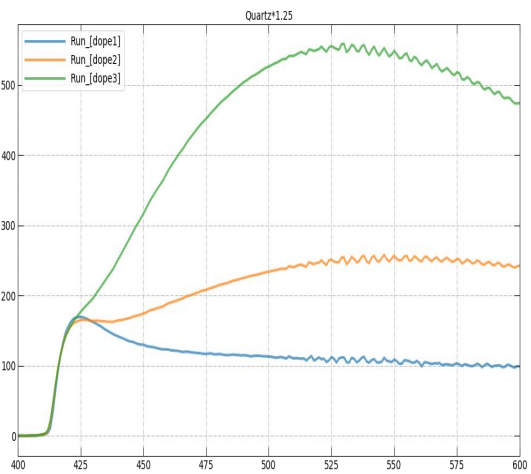
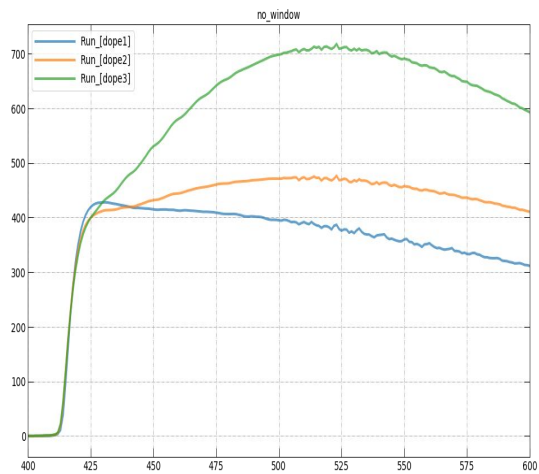
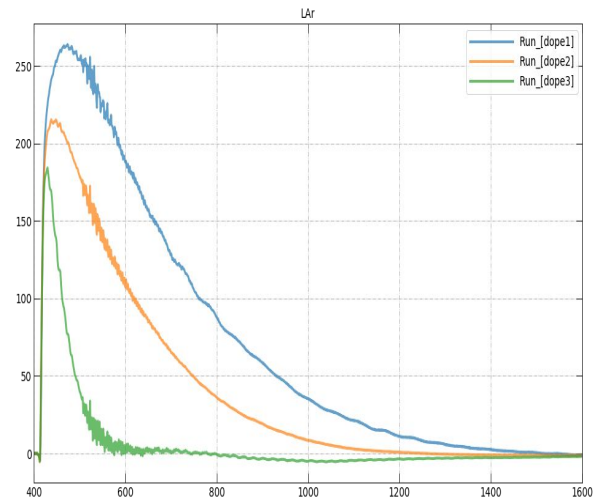
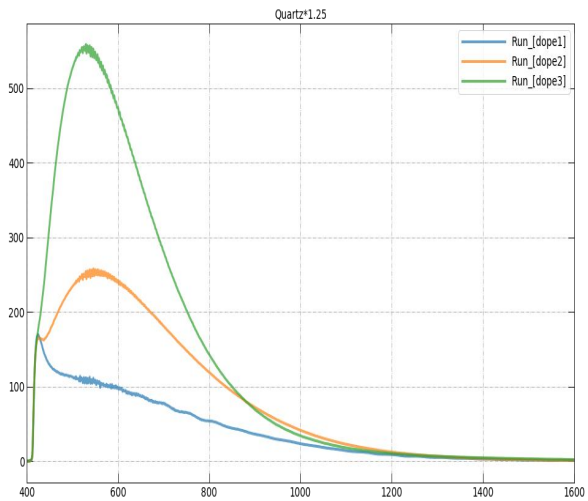
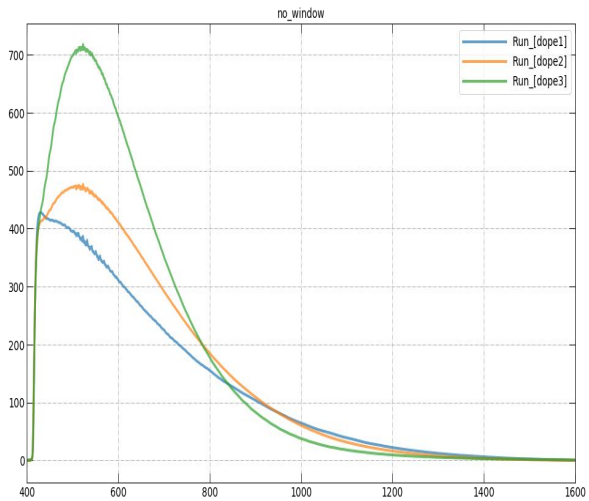


Quartz*1.25

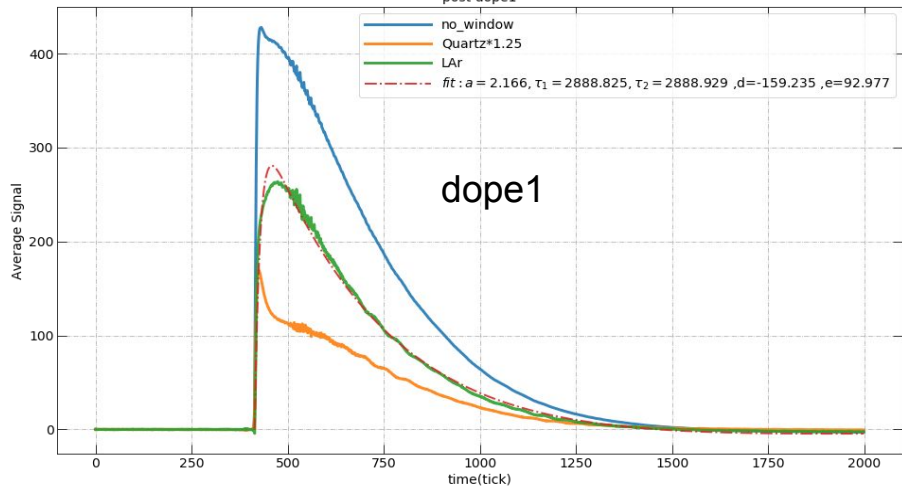


LAr



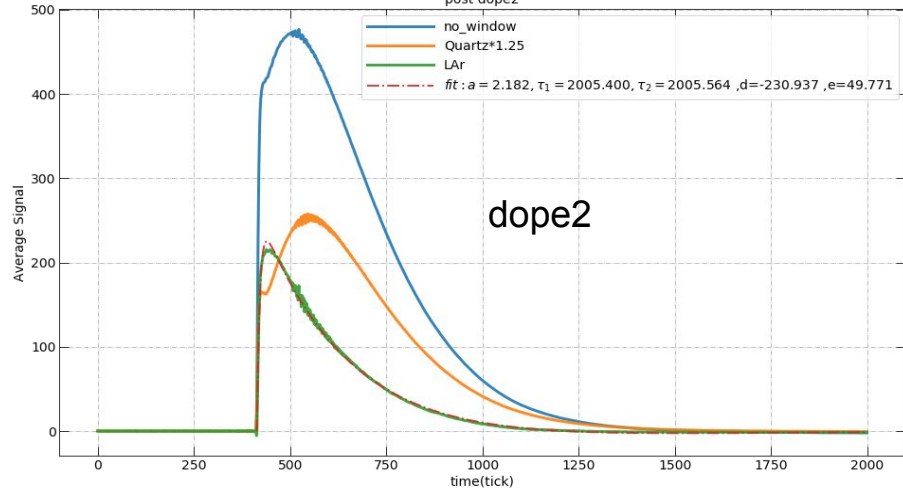


post dope1



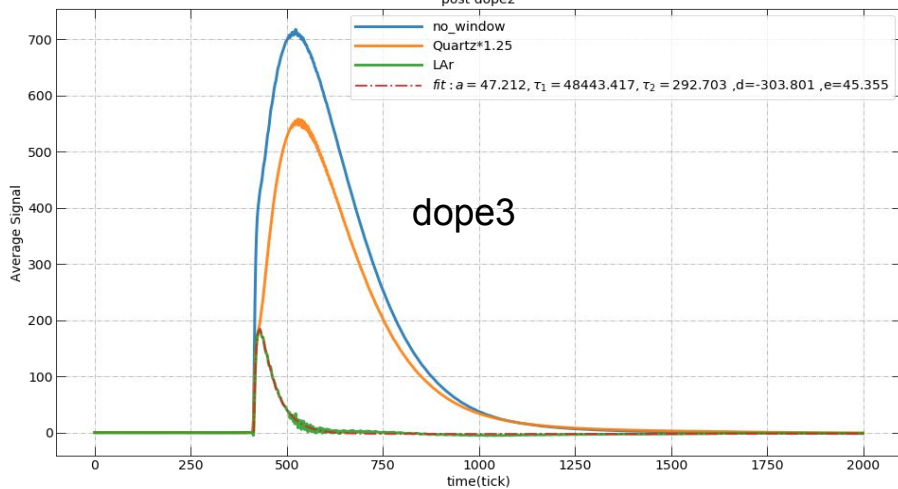
dope1

post dope2

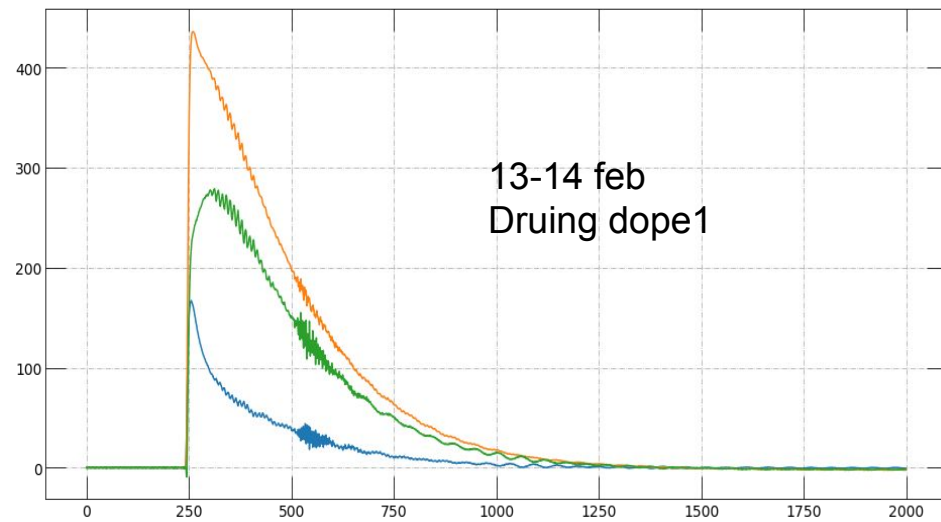


dope2

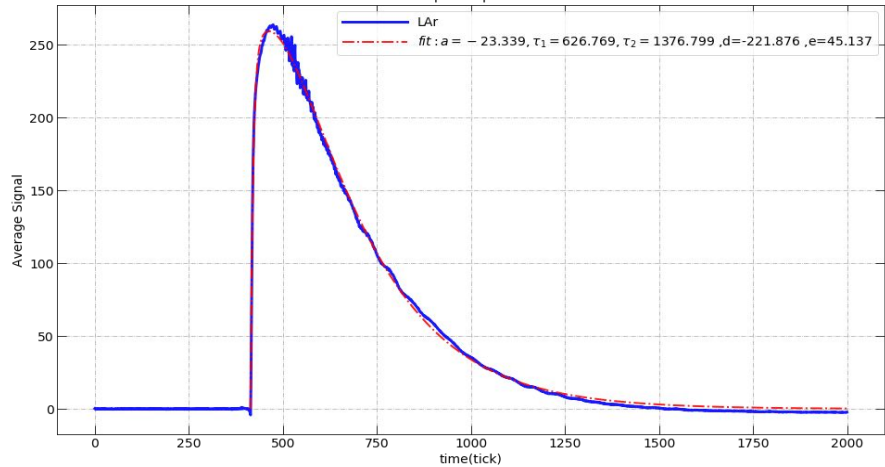
post dope2



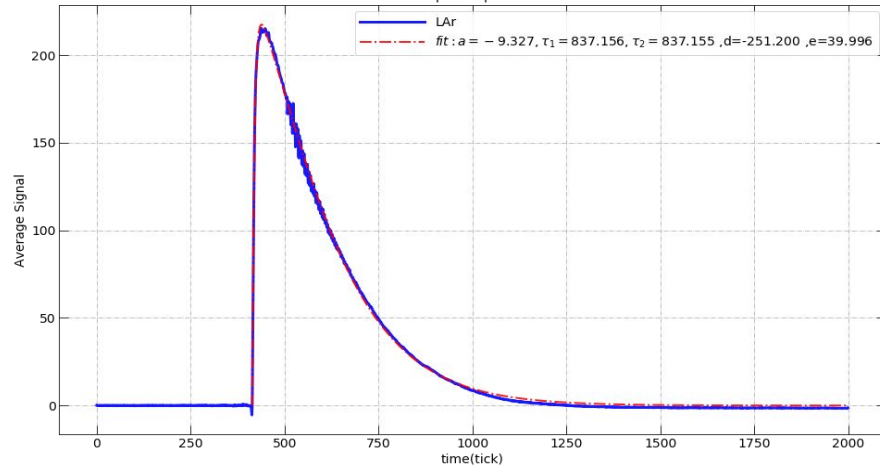
dope3

13-14 feb
Druing dope1

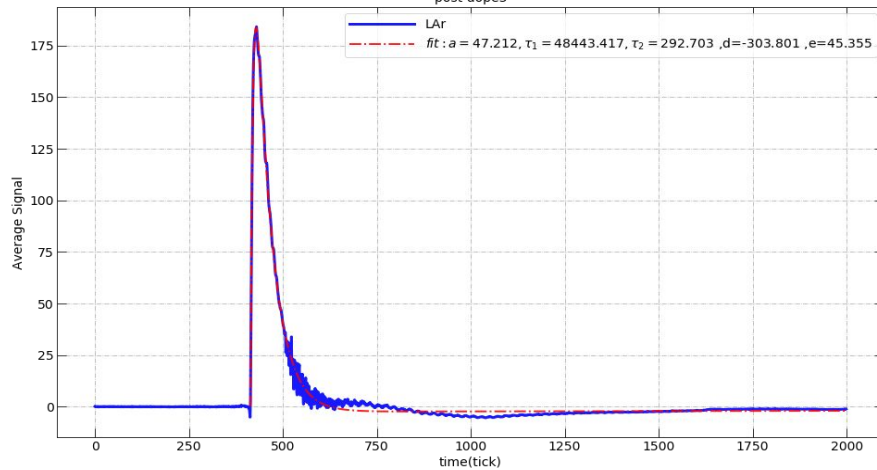
post dope1



post dope2



post dope3



Summary

- Gain, Deconvolve
- Any suggestions are welcome