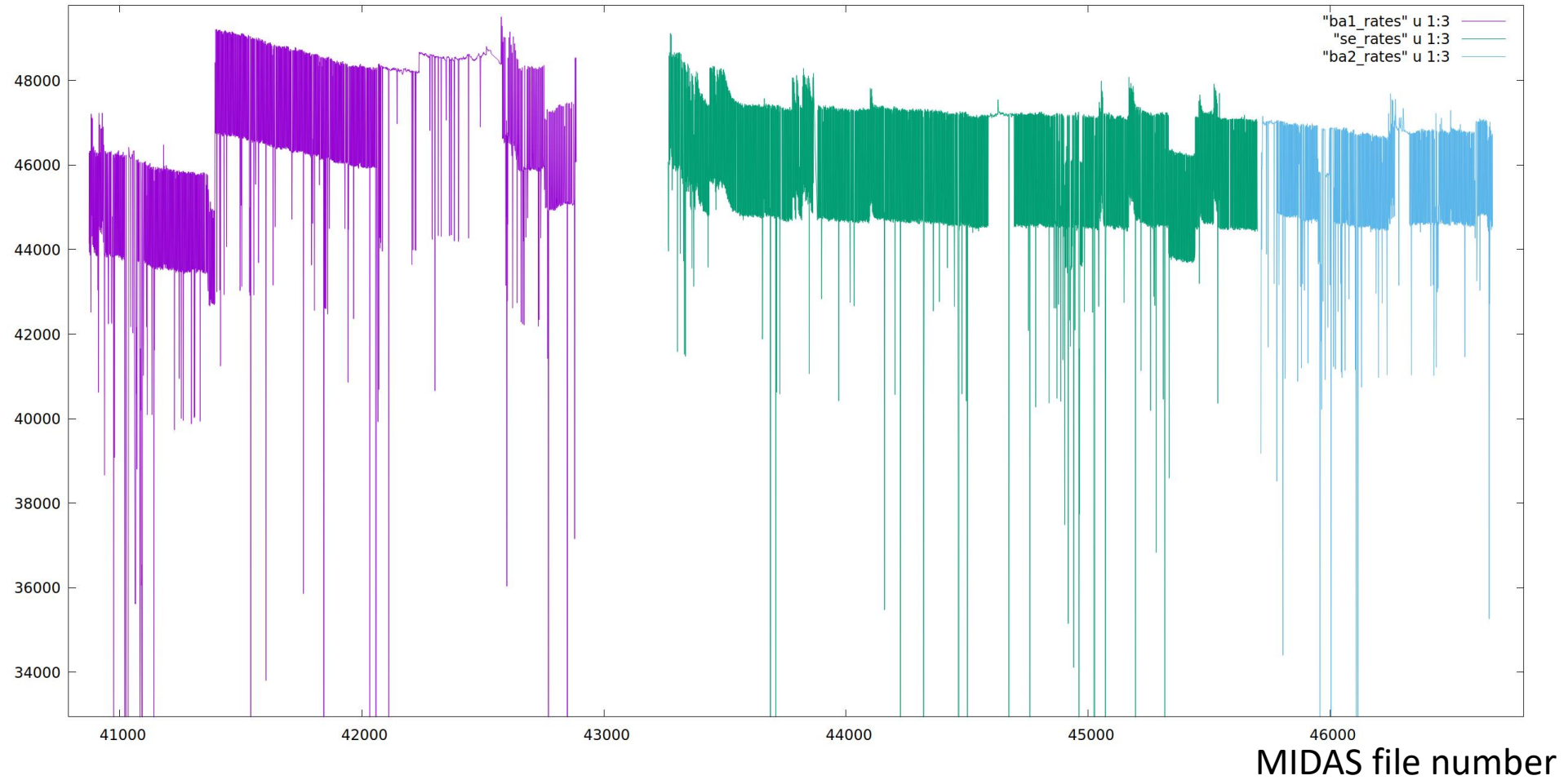


MIDAS data: statistics and rates

Igor Zhitnikov
2023-07-28@MONUMENT

C1 rates (^{136}Ba & ^{76}Se)

Events/s

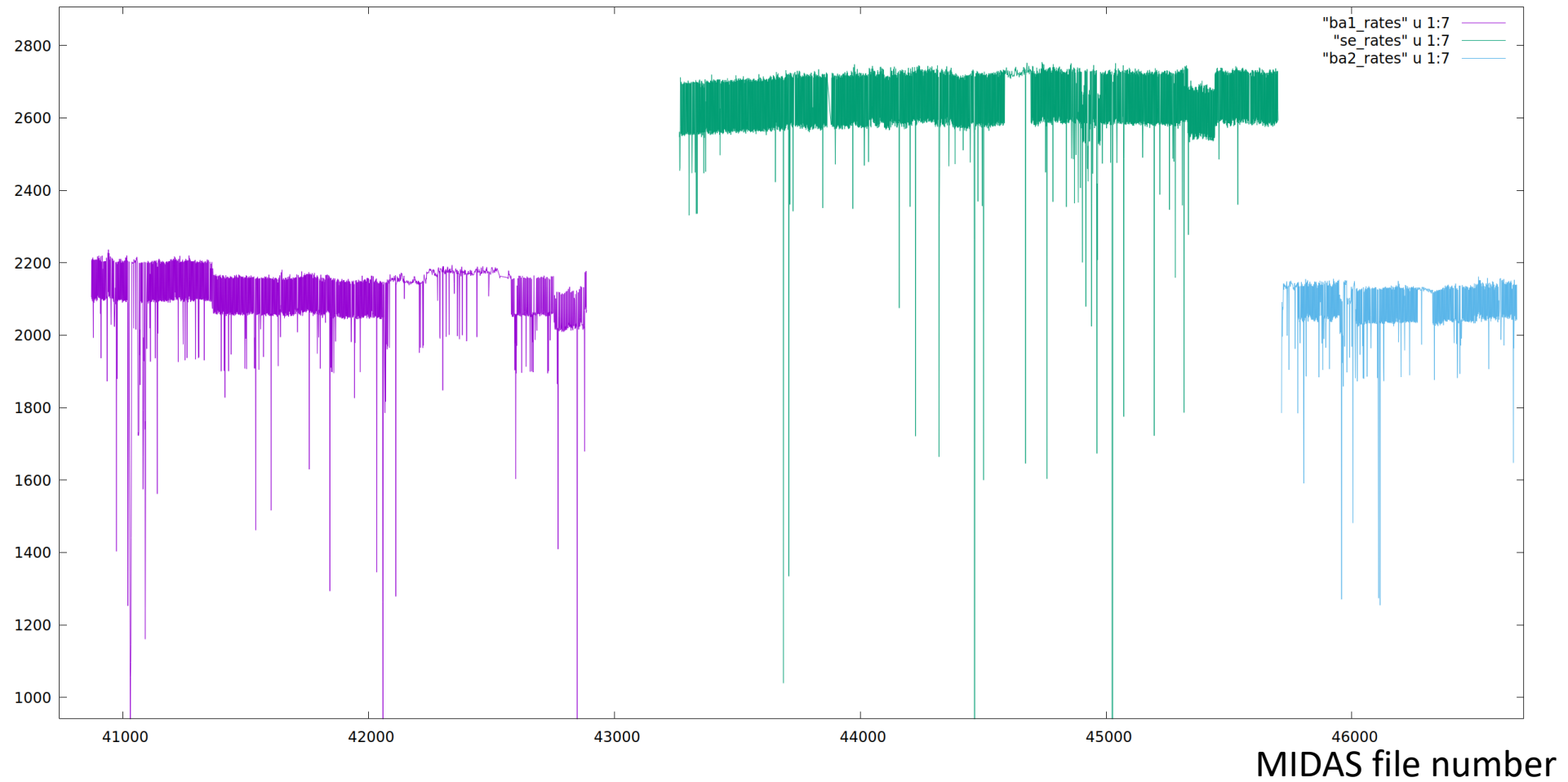


C1 rates (^{136}Ba & ^{76}Se)

Average C# rates						
Run	C0	C1	C2	C3	exposition,s	files
Ba136 part 1	30653	46036	47349	33397	436191	1951
Ba136 part 2	28248	45301	45909	32157	212657	947
Ba136 total	29865	45795	46877	32991	648848	2898
Se76	27251	45369	45298	31053	452610	2411

HPGe02 (ch.1) rates (^{136}Ba & ^{76}Se)

Events/s



Average HPGe-detectors rates

Average HPGe-detectors rates										
Run	Ge01	Ge02	Ge03	Ge04	Ge05	Ge06	Ge07	Ge08	exposition,s	files
Ba136 part 1	2870	2090	2877	2556	3348	2120	2343	2803	436191	1951
Ba136 part 2	2824	2069	2875	2648	3339	2115	2369	2805	212657	947
Ba136 total	2855	2083	2876	2586	3345	2119	2352	2804	648848	2898
Se76	3648	2614	3615	3222	4318	2639	3124	3704	452610	2411

Average HPGe-detectors rates at [100, 4500] keV

Average HPGe-detectors rates at [100, 4500] keV										
Run	Ge01	Ge02	Ge03	Ge04	Ge05	Ge06	Ge07	Ge08	exposition,s	files
Ba136 part 1	1830	1119	1771	1578	2118	1142	1540	1840	436191	1951
Ba136 part 2	1825	1144	1770	1580	2157	1173	1559	1855	212657	947
Ba136 total	1829	1127	1771	1579	2131	1152	1546	1845	648848	2898
Se76	2715	1705	2605	2326	3209	1725	2393	2915	452610	2411

C# stats

C# stats						
Run	C0	C1	C2	C3	exposition,s	files
Ba136 part 1	13371M	20080M	20653M	14567M	436191	1951
Ba136 part 2	6007M	9634M	9763M	6838M	212657	947
Ba136 total	19378M	29714M	30416M	21406M	648848	2898
Se76	12334M	20534M	20502M	14055M	452610	2411

HPGe events total statistics

Ge stats										
Run	Ge01	Ge02	Ge03	Ge04	Ge05	Ge06	Ge07	Ge08	exposition,s	files
Ba136 part 1	1252M	912M	1255M	1115M	1460M	925M	1022M	1223M	436191	1951
Ba136 part 2	601M	440M	611M	563M	710M	450M	504M	597M	212657	947
Ba136 total	1852M	1352M	1866M	1678M	2170M	1375M	1526M	1819M	648848	2898
Se76	1651M	1183M	1636M	1458M	1955M	1194M	1414M	1676M	452610	2411

HPGe events statistics at [100, 4500] keV

Ge stats at [100,4500] keV										
Run	Ge01	Ge02	Ge03	Ge04	Ge05	Ge06	Ge07	Ge08	exposition,s	files
Ba136 part 1	798M	488M	773M	688M	924M	498M	672M	803M	436191	1951
Ba136 part 2	388M	243M	376M	336M	459M	249M	331M	394M	212657	947
Ba136 total	1187M	731M	1149M	1024M	1382M	748M	1003M	1197M	648848	2898
Se76	1229M	772M	1179M	1053M	1452M	781M	1083M	1319M	452610	2411