

Charged pion analysis

Run15 pAu

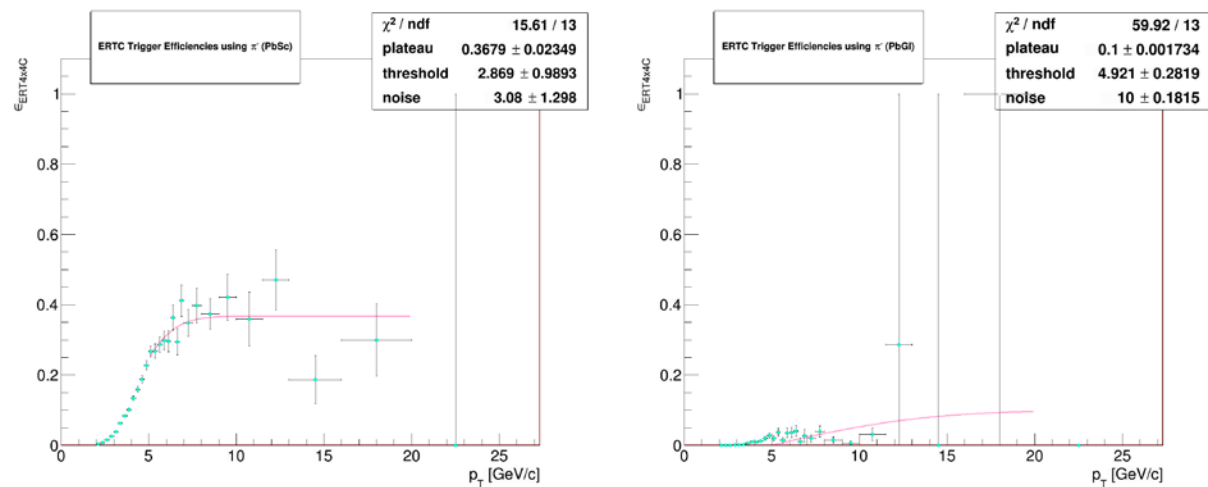
- Trigger Efficiencys with all dataset

Run15 pp

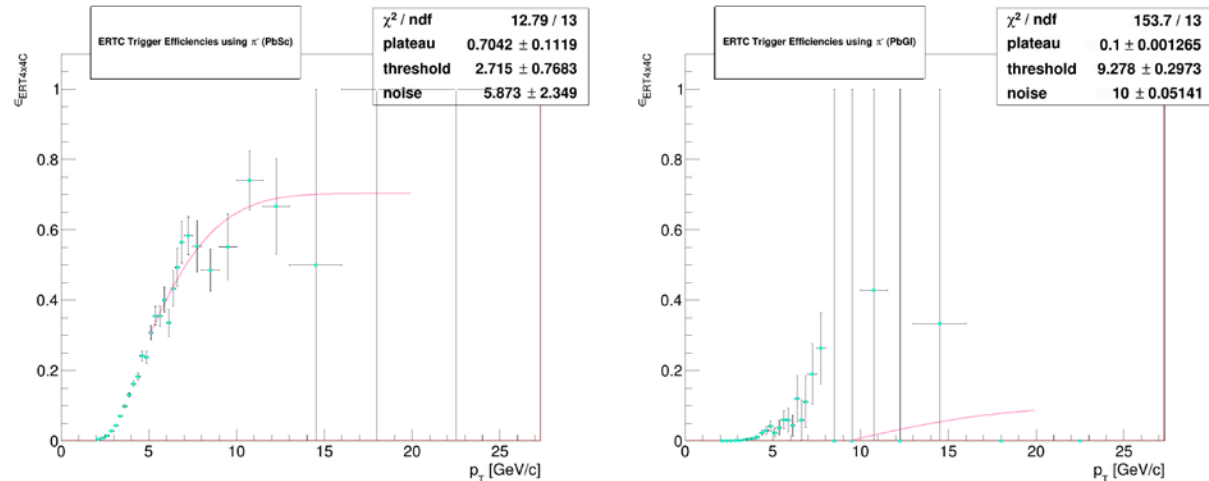
- Start analysis (RunQA from Database)

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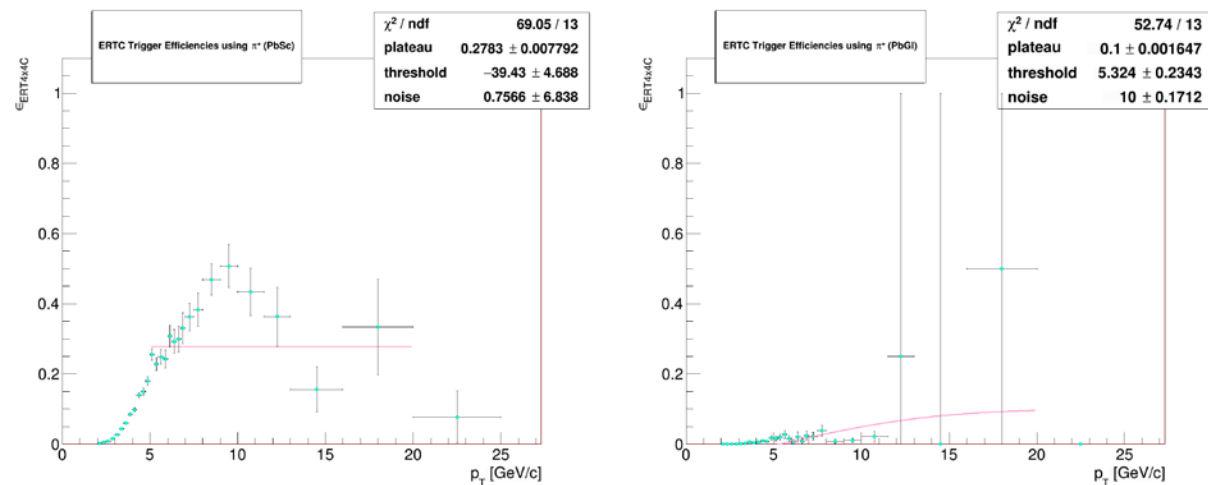
ERT Trigger Efficiency



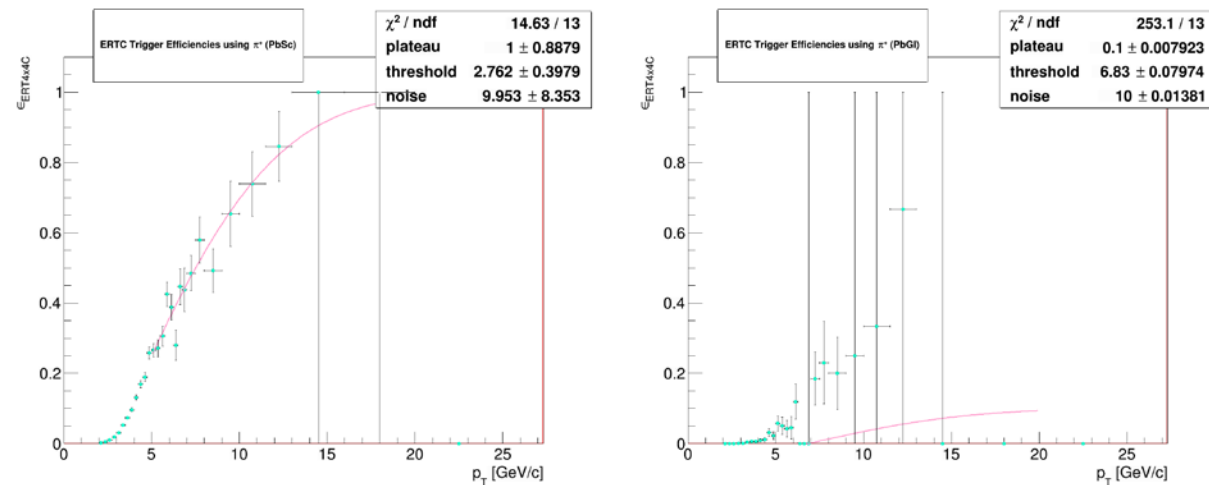
For π^-



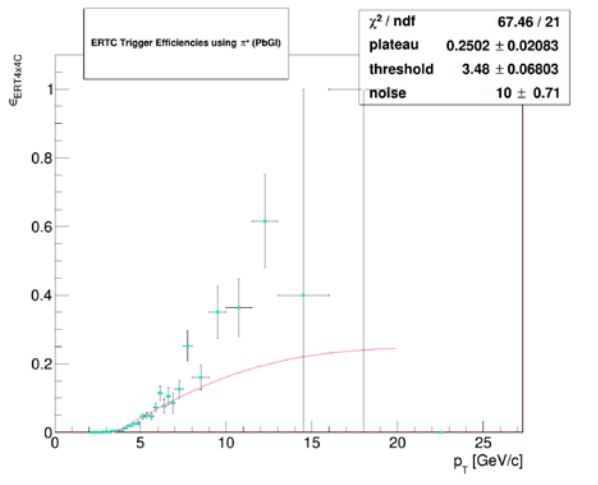
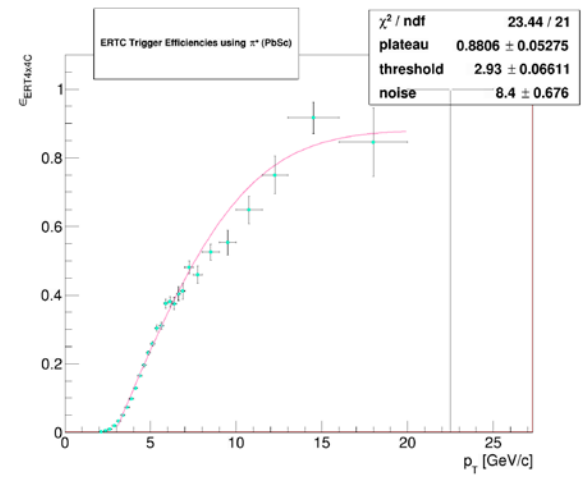
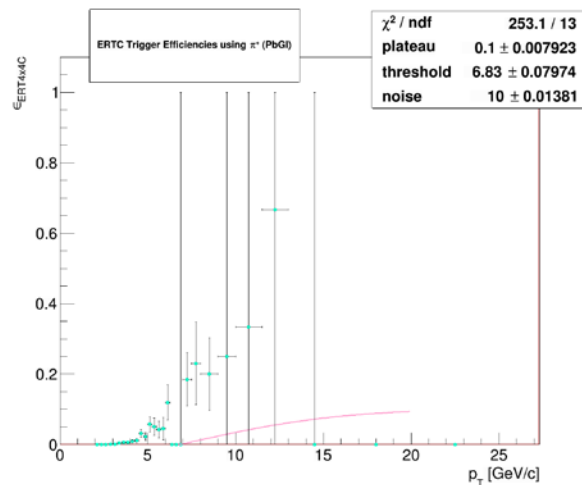
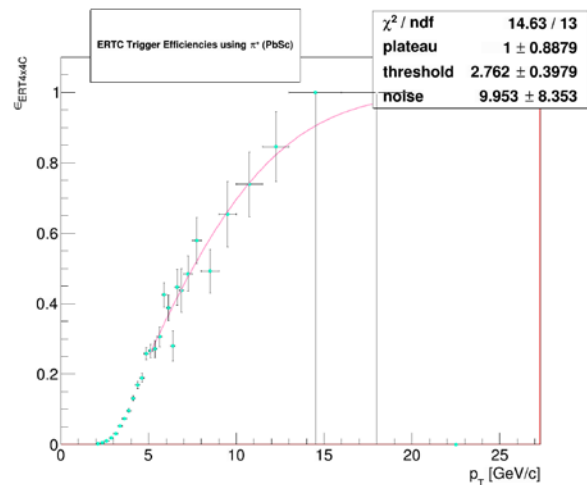
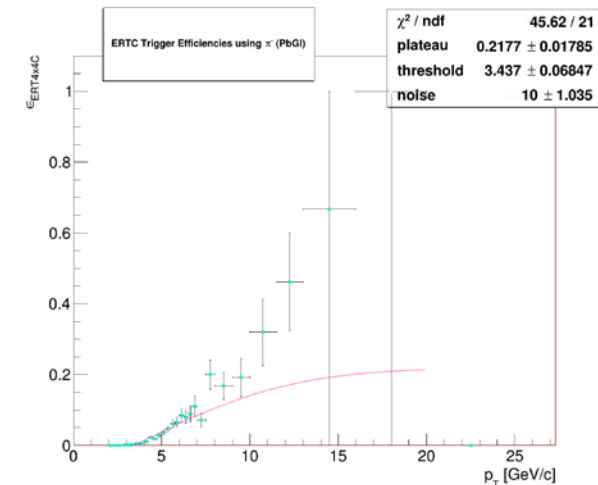
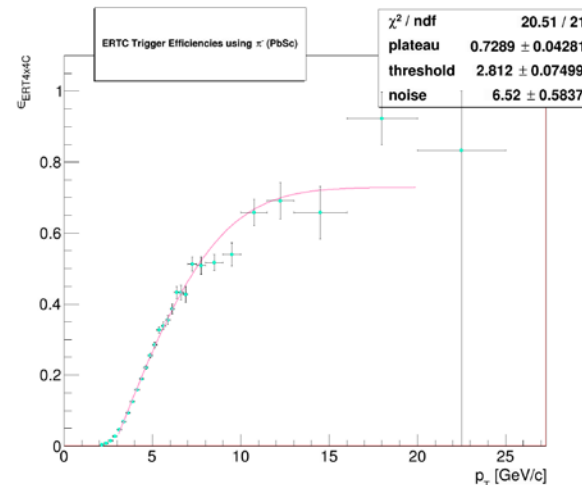
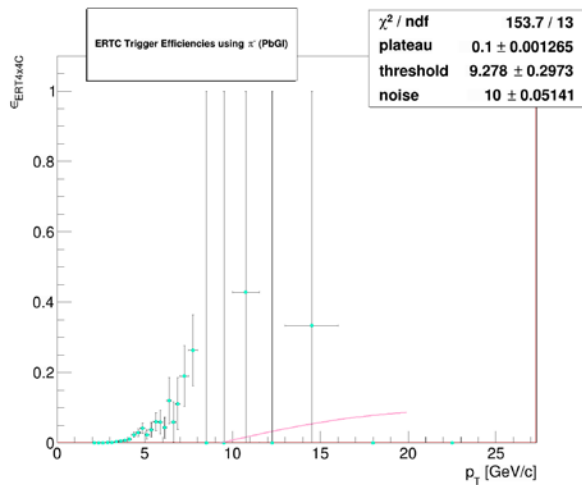
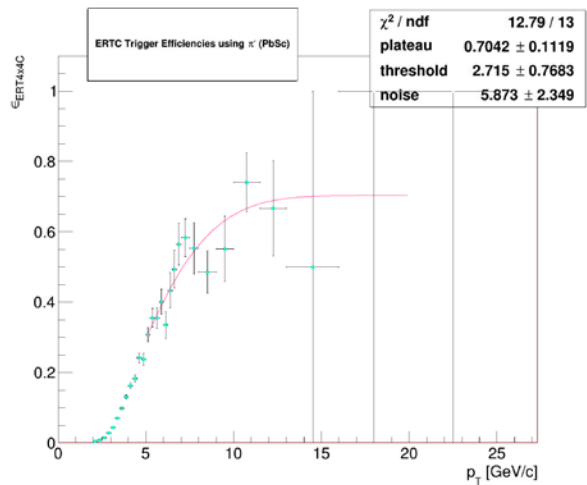
After Matching calibration



For π^+



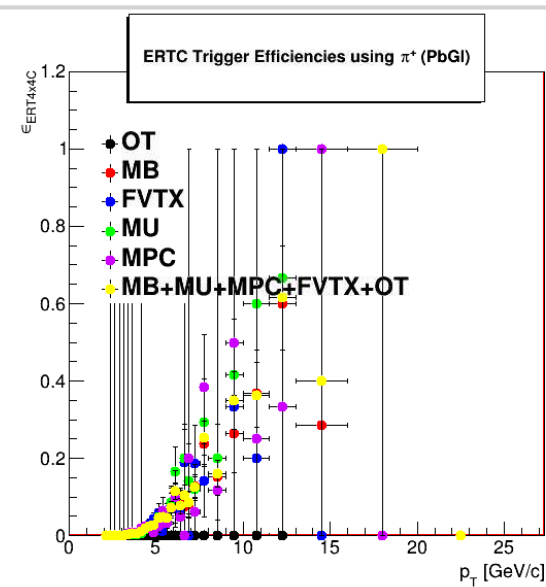
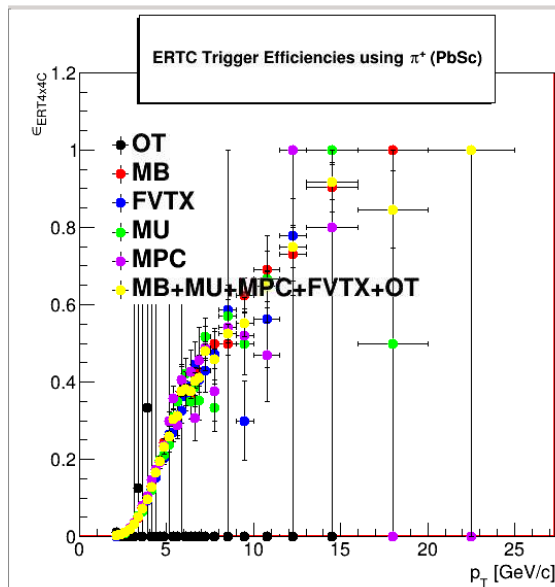
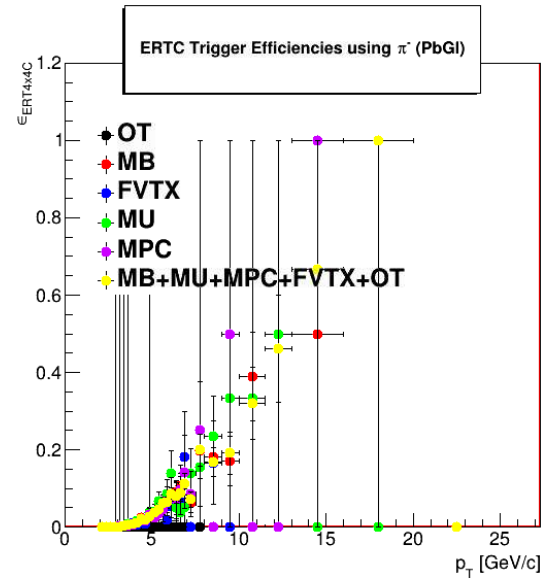
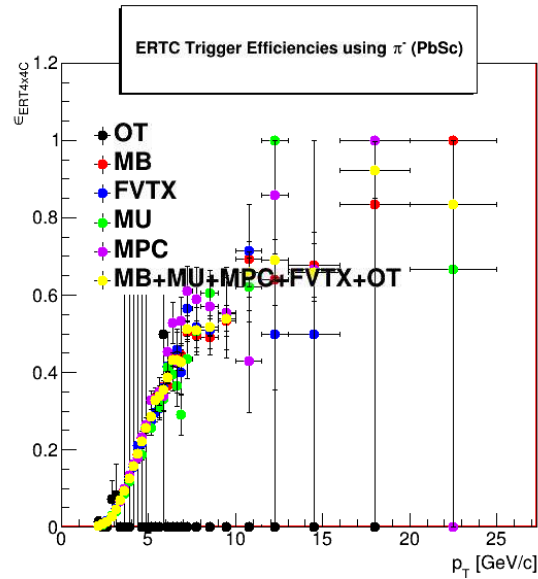
ERT Trigger Efficiency with all dataset



MB

MB+MU+MPC+FVTX+OT

Comparison of ERT Trigger Efficiency



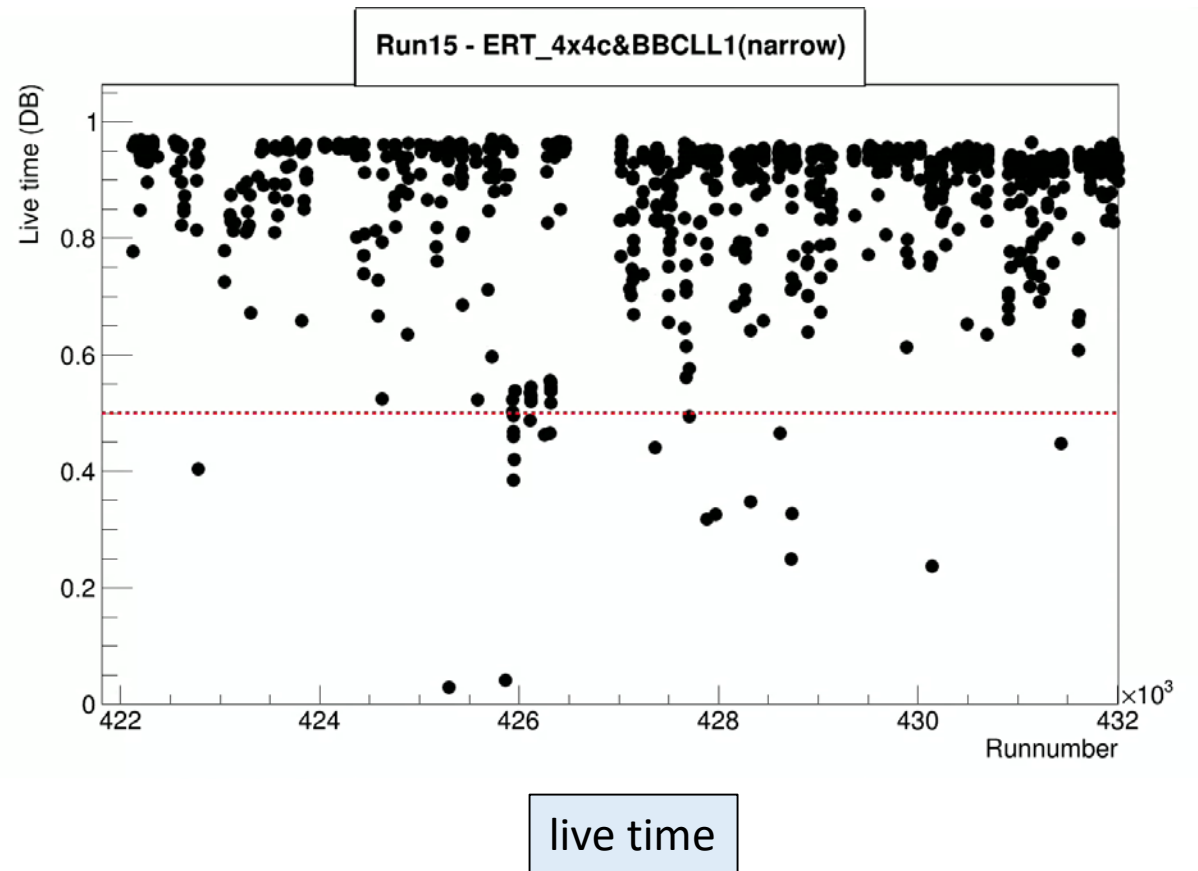
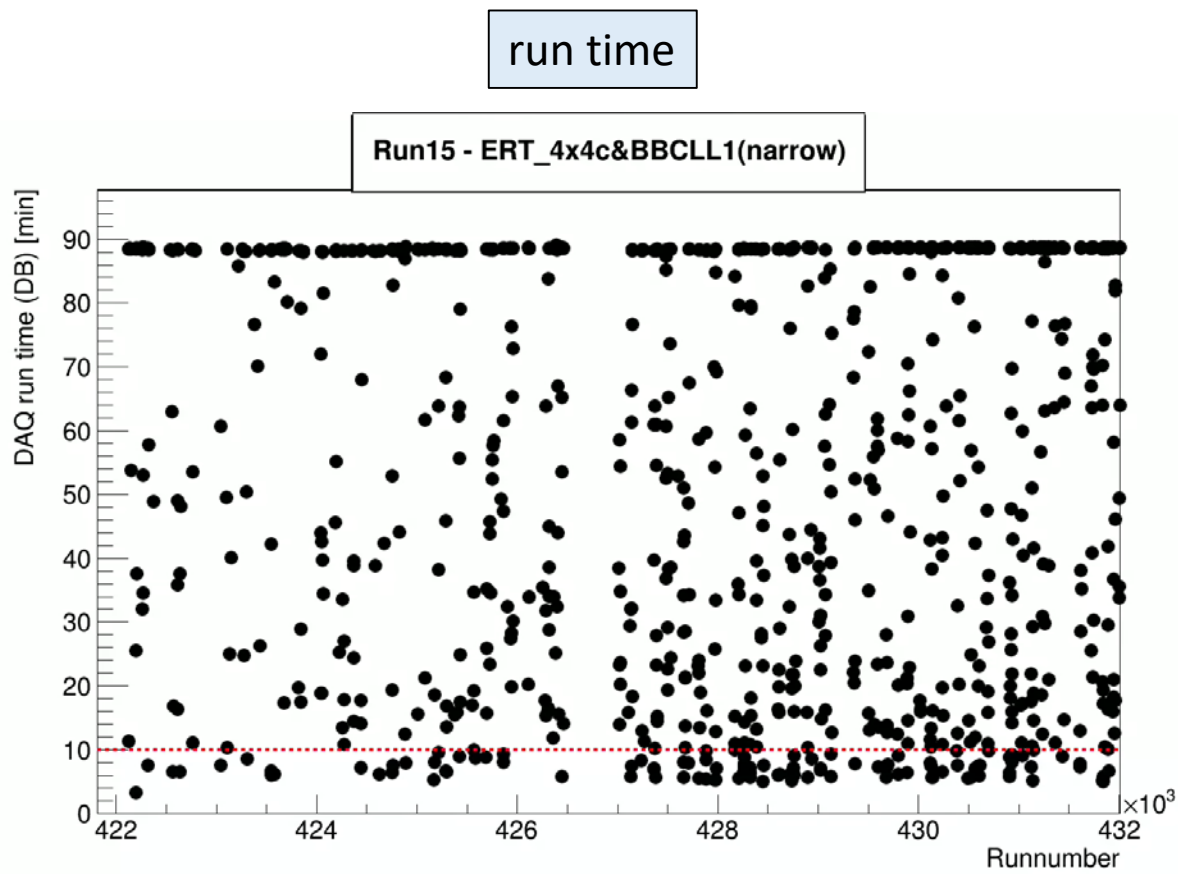
Runlist by ERT dataset

- Datasets: Run15pAu200CAERTPro108
- 844 runs survive in Analysis Train by using ERT dataset.

421815	421816	421949	421961	421968	421969	421975	421976	421988	421989	421999	422014	422018	422020	422040	422041	422043	422045	422050	422051	422053	422054
422055	422057	422064	422066	422067	422068	422070	422074	422075	422084	422085	422123	422124	422135	422141	422147	422148	422200	422201	422202	422203	422205
422255	422256	422260	422262	422263	422266	422267	422268	422269	422272	422273	422298	422305	422314	422319	422322	422323	422324	422531	422540	422543	422553
422562	422566	422575	422611	422613	422614	422615	422618	422633	422640	422643	422756	422758	422762	422763	422779	422782	422785	423041	423043	423101	423109
423110	423132	423149	423220	423263	423268	423275	423278	423290	423301	423311	423377	423424	423432	423433	423546	423547	423548	423549	423550	423553	423576
423579	423632	423652	423663	423664	423676	423677	423679	423685	423696	423703	423820	423826	423828	423839	423843	423844	423845	423856	423860	423865	423867
423868	424038	424039	424040	424051	424052	424053	424055	424060	424061	424062	424063	424189	424190	424193	424194	424195	424227	424255	424257	424270	424272
424273	424275	424276	424348	424353	424356	424358	424365	424368	424371	424372	424439	424440	424441	424443	424444	424445	424452	424557	424584	424585	424626
424627	424629	424644	424671	424751	424754	424755	424756	424759	424760	424761	424763	424817	424827	424836	424877	424880	424881	424885	424886	425006	425008
425011	425016	425078	425079	425080	425152	425168	425171	425172	425173	425212	425213	425214	425215	425286	425287	425288	425289	425290	425292	425293	425294
425295	425296	425377	425378	425395	425397	425403	425409	425412	425413	425420	425422	425423	425424	425425	425428	425429	425431	425433	425434	425439	425553
425564	425566	425583	425688	425691	425692	425693	425694	426112	426113	426114	426115	426116	426117	426252	426273	426281	426282	426283	426307	426308	426313
426315	426316	426319	426320	426353	426365	426366	426378	426383	426391	426394	426397	426401	426406	426407	426408	426409	426442	426443	426444	426445	426450
426460	426461	427013	427019	427020	427021	427024	427025	427026	427027	427111	427129	427135	427136	427137	427141	427144	427145	427146	427147	427148	427149
427233	427239	427241	427243	427244	427262	427264	427360	427361	427362	427363	427366	427367	427373	427377	427380	427383	427384	427385	427388	427389	427390
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429014	429016	429017	429022	429023	429024	429025	429026	429027	429029	429062	429066	429067	429068	429069	429070	429071	429112	429114	429115	429126	429127
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431840	431844	431845	431846	431854	431859	431860	431886	431888	431889	431891	431892	431893	431894	431932	431937	431938	431939	431940	431941	431942	431943
431948	431951	431960	431963	431997	432001	432007	432008														

Run QA at daq in Database

- Trigger
 - ERT_4x4c&BBCLL1(narrow)
- Cut
 - DAQ Run time > 10 min
 - DAQ live time > 0.5



Run QA at daq in Database

- **Good run**

- 104 runs are rejected from 330 runs by Run QA from DAQ.
- 740 runs are passed Run QA from DAQ in the DB.

422123	422124	422135	422141	422147	422148	422200	422201	422202	422203	422205	422255	422256	422260	422262	422263	422266	422267	422268	422269	422272	422273
422298	422305	422314	422322	422323	422324	422375	422543	422553	422566	422575	422611	422613	422614	422615	422618	422633	422643	422756	422758	422762	422763
422782	422785	423043	423101	423109	423110	423132	423149	423220	423263	423268	423275	423278	423290	423301	423377	423413	423424	423432	423433	423547	423548
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431942	431943	431948	431951	431959	431960	431963	431964	431997	432001	432002	432003	432007	432008								

Thank you.