

DQ Trigger Flags

Ricardo Gonçalo on behalf of the trigger

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Data Preparation/Data Quality meeting

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Proposed Trigger DQ Flags

- Level 1:

- L1CAL 401 : L1 calorimeter trigger
- L1MUB 402 : L1 Muon Barrel
- L1MUE 403 : L1 Muon EndCap
- L1CTP 404 : L1 CTP

- Detectors:

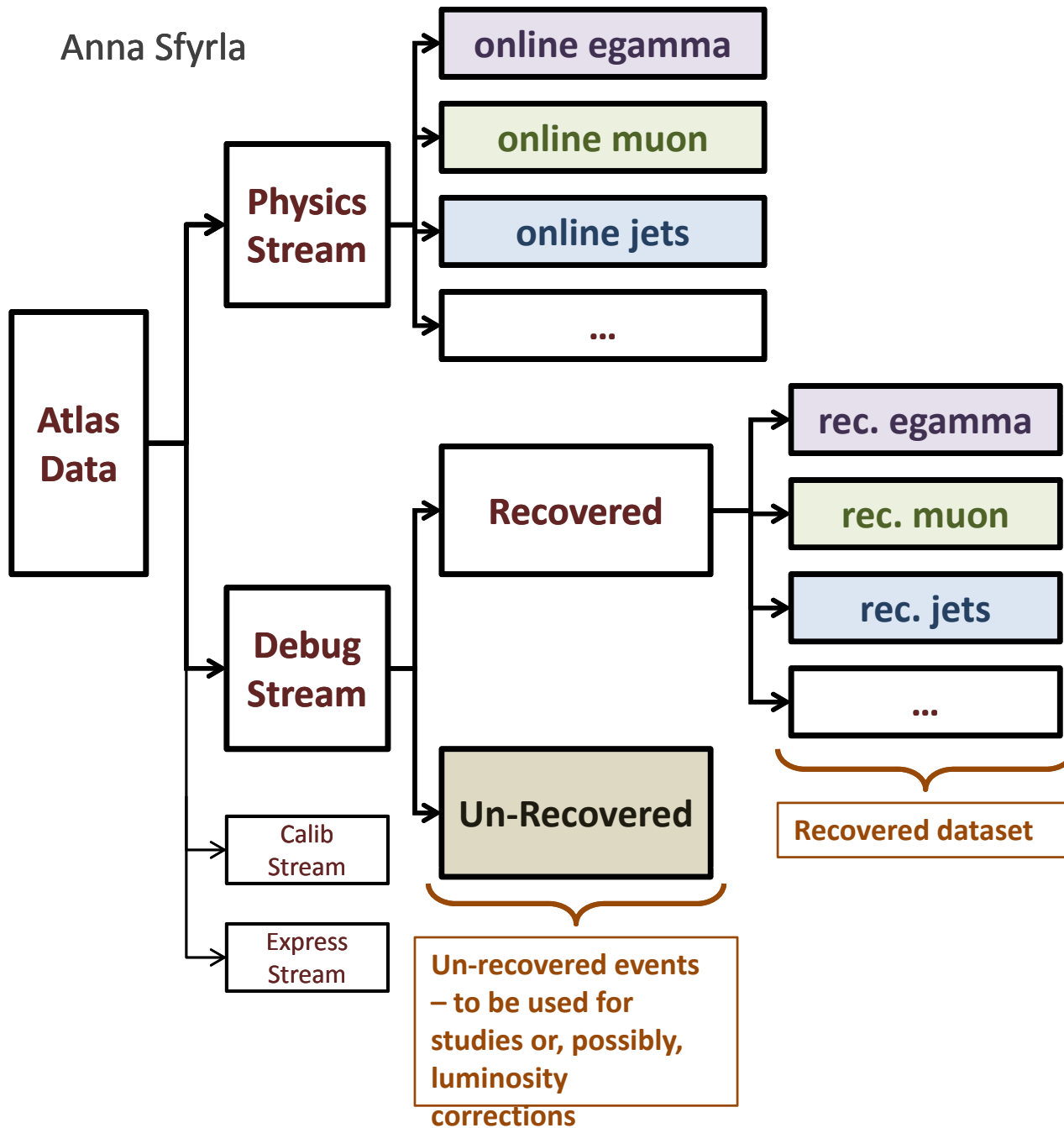
- TRCAL 411 : calorimeter trigger
- TRIDT 431 : inner detector tracking

- Trigger slices/reconstruction:

- TRBJT 421 : b-jet slice
- TRBPH 422 : B physics slice
- TRCOS 423 : cosmics slice
- TRELE 424 : electron slice
- TRGAM 425 : photon slice
- TRJET 426 : jet slice
- TRMET 427 : missing ET slice
- TRMBI 428 : minimum bias slice
- TRMUO 429 : muon slice
- TRTAU 430 : tau slice

- Level 1 flags separated according to perceived large granularity of detector, plus one for the central trigger processor
- Separate calorimeter and central tracking flags since reconstruction is common to many trigger selections
- One flag per trigger slice – characterise performance according to natural division of selection expertise

Anna Sfyrlla



- ✓ *Combination of online physics stream and recovered stream datasets is the closest to the estimated luminosity and with the minimum possible bias to busy events we can get*
- ✓ *The trigger will be delivering independently three different streams for reconstruction (online physics, recovered and un-recovered).*
- ✓ *It will be up to the physics and data preparations groups to decide what to use for physics analyses*

