

LOGICAL STRUCTURE OF THE TRIGGER DATABASE

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|-------------------------------------|--------------------|-----|
| <input checked="" type="checkbox"/> | PHYSICS TABLE | T |
| <input type="checkbox"/> | PHYSICS TABLE NAME | A |
| <input type="checkbox"/> | PHYSICS TABLE TAG | ?89 |
| ▲ ▼ | | |

| | | |
|-------------------------------------|-------------------|-----|
| <input checked="" type="checkbox"/> | DATASETS | T |
| <input type="checkbox"/> | DATASET NAME | A |
| <input type="checkbox"/> | DATASET TAG | ?89 |
| <input type="checkbox"/> | GENERIC DATASET | A |
| <input type="checkbox"/> | LOGGER DATASTREAM | A |
| ▲ ▼ | | |

| | | |
|-------------------------------------|-----------|-----|
| <input checked="" type="checkbox"/> | PATHS | T |
| <input type="checkbox"/> | PATH NAME | A |
| <input type="checkbox"/> | PATH TAG | ?89 |
| ▲ ▼ | | |

| | | |
|-------------------------------------|--------------------|-----|
| <input checked="" type="checkbox"/> | TRIGGERS | T |
| <input type="checkbox"/> | TRIGGER NAME | A |
| <input type="checkbox"/> | TRIGGER TAG | ?89 |
| <input type="checkbox"/> | TRIGGER LEVEL | ?89 |
| <input type="checkbox"/> | REAL OR MONITORING | A |
| <input type="checkbox"/> | CROSS SECTION NB | A |
| <input type="checkbox"/> | PHYSICS GROUP | A |
| <input type="checkbox"/> | HTML DOCUMENT | A |
| ▲ ▼ | | |

| | | |
|-------------------------------------|----------------------|-----|
| <input checked="" type="checkbox"/> | SPECIFIC OPTIONS | T |
| <input type="checkbox"/> | SPECIFIC OPTION NAME | A |
| <input type="checkbox"/> | SPECIFIC OPTION TAG | ?89 |
| <input type="checkbox"/> | TRIGGER LEVEL | ?89 |
| ▲ ▼ | | |

The main database objects are:

- ***PHYSICS TABLE***
Represent the highest level object which is the synonym for TRIGGER TABLE
- ***DATASET***
Represent a group of several trigger paths. A few datasets make up a physics table
- ***PATH***
Represent a sequence of level 1, level 2, level 3 triggers. A few paths make up a dataset
- ***TRIGGER***
The main unit. Trigger is specified by a group of several specific options
- ***SPECIFIC OPTION***
Represent specification for a single trigger hardware/software unit. Usually it is a configuration of different trigger boards in terms of trigger parameters