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=====
LEVEL2 data
*
(R-0.01)
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LEVEL2 nt-uple structure:

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*****
* Ntuple ID = 22      Entries = 4993      LEVEL2
*****
* Var numb * Type * Packing * Range * Block * Name *
*****
* 1 * L*4 * 1 * * * EVENT * GOOD2
* 2 * I*4 * * * * EVENT * NEV2
* 1 * I*4 * * * * CPU * PKT_TYPE
* 2 * I*4 * * * * CPU * PKT_NUM
* 3 * I*4 * * * * CPU * OBT
* 4 * I*4 * * * * CPU * WHICH_CALIB
* 1 * I*4 * * * [0,50] * TRACKS * NTRK
* 2 * R*4 * * * * TRACKS * XM(6,NTRK)
* 3 * R*4 * * * * TRACKS * YM(6,NTRK)
* 4 * R*4 * * * * TRACKS * ZM(6,NTRK)
* 5 * R*4 * * * * TRACKS * RESX(6,NTRK)
* 6 * R*4 * * * * TRACKS * RESY(6,NTRK)
* 7 * R*4 * * * * TRACKS * AL(5,NTRK)
* 8 * R*4 * * * * TRACKS * CHI2(NTRK)
* 9 * I*4 * * * * TRACKS * XGOOD(6,NTRK)
* 10 * I*4 * * * * TRACKS * YGOOD(6,NTRK)
* 11 * R*4 * * * * TRACKS * XV(6,NTRK)
* 12 * R*4 * * * * TRACKS * YV(6,NTRK)
* 13 * R*4 * * * * TRACKS * ZV(6,NTRK)
* 14 * R*4 * * * * TRACKS * AXV(6,NTRK)
* 15 * R*4 * * * * TRACKS * AYV(6,NTRK)
* 1 * I*4 * * * * SINGLETS * NCLSX(6)
* 2 * I*4 * * * * SINGLETS * NCLSY(6)
*****
* Block * Entries * Unpacked * Packed * Packing Factor *
*****
* EVENT * 4993 * 8 * 5 * 1.600 *
* CPU * 4993 * 16 * 16 * 1.000 *
* TRACKS * 4993 * 15604 * Var. * Variable *
* SINGLETS * 4993 * 48 * 48 * 1.000 *
* Total * --- * 15676 * Var. * Variable *
*****
* Blocks = 4      Variables = 23      Max. Columns = 3919 *
*****

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The EVENT block stores the global event flag GOOD2 and the event counter NEV2.

The CPU block stores the event tag extracted from the physics-packet CPU-header (PKT_TYPE, PKT_NUM, OBT) and a variable that relates each event to the calibration parameters (WHICH_CALIB).
(If WHICH_CALIB=0 (missing calibration) then GOOD2=.FALSE.)

The TRACKS block stores track information:

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NTRK      - number of identified tracks
XM(6,NTRK) - measured coordinates associated to the track
YM(6,NTRK) '
ZM(6,NTRK) '
RESX(6,NTRK) - spatial resolution associated to each coordinate
RESY(6,NTRK) '
AL(5,NTRK) - TRACK PARAMETERS: X0,Y0,sin(THETA0),PHI0,DEFLECTION
CHI2(NTRK) - reduced chi^2 of the track
XGOOD(6,NTRK) - flag indicating if a plane was included in the track fitting
YGOOD(6,NTRK) '

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XV(6,NTRK) - calculated coordinates
YV(6,NTRK) '
ZV(6,NTRK) '
AXV(6,NTRK) - calculated angles
AYV(6,NTRK) '

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The SINGLETS block stores information about those clusters not associated with any track:

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NCLSX(6) - number of singlets in each plane
NCLSY(6) '

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