ZEBRA bank documentation from proto97.rz banks below: RUNH EVTH

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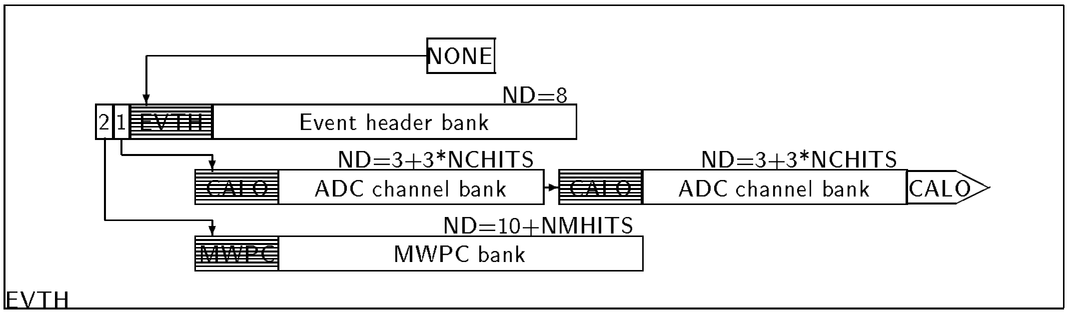
RUNH Run header bank

```
---------------------------------------------- entered file at  1-Aug-97 14:23
Bank IDH  RUNH     Run header bank
Author             Andrei Kiryunin
ND                35
Next      None
Up        None
Origin    None
IO-Charac          2I 3F / 2F 1I
             ---------- Description of the data words   ----------
1         NRUN     Run number (it is always zero!)
2         IPART    Particle GEANT code
3         EBEAM    Beam energy [GeV]
4         XCRY     X position of the cryostat [cm]
5         YTAB     Y position of the movable table [cm]
                    Information about MWPCs:
--REP level=1  (loop   over chambers: 1 - 5)
  --REP level=2  (loop   over planes: X and Y)
        1     Z        Z position of the plane [cm]
        2     STEP     Step between wires [cm]
        3     NWIRES   Number of wires
  --REP level=2 -- End --
--REP level=1 -- End --
```



EVTH Event header bank

```
----------------------------------------------- entered file at  1-Aug-97 13:40
Bank IDH  EVTH     Event header bank
Author             Andrei Kiryunin
NL             162
NS               2
ND               8
Next      None
Up        None
Origin    None
IO-Charac          2I 6F
             ---------- Description of the links  ----------
1         CALO     ADC channel bank
                    LQ(IEVTH-1) - address of the first CALO bank (if any)
2         MWPC     MWPC bank
                    LQ(IEVTH-2) - address of the MWPC bank
             ---------- Description of the Reference links  ----------
1-160     CALO     Addresses of CALO banks for ADC channels 1-160
                    LQ(IEVTH-2-IADC) - address of the bank for channel IADC
                    if adrress is zero - no energy, deposited in this channel
             ---------- Description of the data words   ----------
1         NEVENT   Event number
2         ITRIG    Trigger flag
                    (=0, if only one hit in every MWPC plane)
3         ENERGY   Visible energy, deposited in the prototype [GeV]
4         EOUT     Visible energy, deposited in the un-equipped part [GeV]
5         EL_XP    Leakage energy to the positive X direction [GeV]
6         EL_XN    Leakage energy to the negative X direction [GeV]
7         EL_YD    Leakage energy through the bottom [GeV]
8         EL_ZB    Leakage energy through the back [GeV]
```

CALO ADC channel bank

```
----------------------------------------------- entered file at  1-Aug-97 14:23
Bank IDH  CALO     ADC channel bank
Author             Andrei Kiryunin
ND        3+3*NCHITS
Next      CALO
Up        EVTH
Origin    EVTH
IO-Charac          1I 1F 1I / 1I 2F
             ---------- Description of the data words   ----------
1         IADC     ADC channel number
2         EADC     Visible energy, deposited in the channel
3         NCHITS   Number of hits
                    Information about hits:
--REP level=1  (loop   over hits: 1 - NCHITS)
    1       NGAP     LAr gap number (1-8) with the current hit
    2       THIT     Time of flight of the hit [ns]
    3       EHIT     Visible energy of the hit [GeV]
--REP level=1 -- End --
```

MWPC MWPC bank

```
---------------------------------------------- entered file at  1-Aug-97 14:23
Bank IDH  MWPC     MWPC bank
Author             Andrei Kiryunin
ND        10+NMHITS
Next      None
Up        EVTH
Origin    EVTH
IO-Charac          10I -F
             ---------- Description of the data words   ----------
1         NX_1     Number of hits in the X-plane of MWPC 1
2         NX_2     Number of hits in the X-plane of MWPC 2
3         NX_3     Number of hits in the X-plane of MWPC 3
4         NX_4     Number of hits in the X-plane of MWPC 4
5         NX_5     Number of hits in the X-plane of MWPC 5
6         NY_1     Number of hits in the Y-plane of MWPC 1
7         NY_2     Number of hits in the Y-plane of MWPC 2
8         NY_3     Number of hits in the Y-plane of MWPC 3
9         NY_4     Number of hits in the Y-plane of MWPC 4
10        NY_5     Number of hits in the Y-plane of MWPC 5
                    NMHITS =
                    = NX_1 + NX_2 + NX_3 + NX_4 + NX_5 +
                    + NY_1 + NY_2 + NY_3 + NY_4 + NY_5
                    Information about hits:
--REP level=1  (loop   over planes: X and Y)
  --REP level=2  (loop   over chambers: 1 - 5)
    --REP level=3  (loop   over N hits in the plane, if N>0)
            1   COOR     Coordinate of a wire with the hit [cm]
    --REP level=3 -- End --
  --REP level=2 -- End --
--REP level=1 -- End --
```

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