

Format descriptions

Ph. B 22-10-2019

ASCII files with blank between quantities

geomnew_corrected.txt: format agreed with DPG first 2 cassettes (0-120 degrees)

- Layer number starting from 1 (integer)
- Shape (F,a, b,c,d or dm, gm)
- Thickness 120-200-300
- x , y (-z endcap) of hexagon centre
- Rotation index for partial, 0 for full (integer)
- U index (integer)
- V index (integer)

geomnew_corrected_360.txt

same as before, but complete collection over 360 degrees

geomnew_corrected_withmult.txt

same as geomnew_corrected, but includes at the end of each line

- average multiplicity data
- average multiplicity trigger
- Rate data Gb/s using data format of September 2019
- Rate Trigger Gb/s using trigger format of August 2019
- Number of e-links data (integer)
- Number of e-links trigger (integer)

geomCMSSW1-50_corrected.txt : old style file , better suited for drawings

- Layer number starting from 1 (integer)
- Shape (F,a, b,c,d, g) + I/M/O. (string)
- x , y (-z endcap) of hexagon centre
- Rotation index for partial, 0 for full (integer)
- Number of corners of polygon (integer)
- List of (x,y) of each polygon corner, repeating the first one at the end
- Cassette number (0 or 1) (integer)
- Rate data Gb/s TO BE DISCARDED (old multiplicity with bug)
- Rate Trigger Gb/s TO BE DISCARDED(old data format)

geomCMSSW1-50_corrected_withmult.txt

same as geomCMSSW1-50_corrected but includes at the end of each line

- average multiplicity data
- average multiplicity trigger
- Rate data Gb/s using data format of September 2019
- Rate Trigger Gb/s using trigger format of August 2019
- Number of e-links data (integer)
- Number of e-links trigger (integer)



