5 Drift Chamber   **grand-total: 53-57 pages**

5.1 Overview   **GF + MR**   (12 pages total)
    - Physics requirements and performance goals   (3 pages)
    - Geometrical constraints   (1 page)
    - Machine background considerations   (2 pages)
    - DCH design overview   (2 pages)
    - Expected performance   (2 pages)
    - Discussion of tracking SW/pattern recognition issues? (2 pages)

5.2 Optimization of chamber operation   (5 pages?)
    - Cluster counting
    - Optimization of gas choice
         o   physics performance considerations
         o   aging studies: fields, gas gain

5.3 Mechanical Design   (6-8 pages total)
    - endplates
    - inner cylinder
    - outer cylinder
    - cell structure
    - choice of wire and electrostatic stability
    - Feed-through design (here or in 5.4)
    - Endplate systems (cooling/mechanical for electronics)
    - Stringing

5.4 Electronics design   (8 pages total)
    - basic approach: constraints of cluster counting
    - routing of analog signal cables
    - preamplifiers and service cards
    - collector cards
    - digitization cards and crates

5.5 High voltage system   (2 pages total)
    - distribution and crates
    - routing and termination cards

5.6 DCH in the Trigger   *does this belong here?*   (4 pages total)

5.7 Gas system   (2 pages)

5.8 Calibration and monitoring
    - slow control systems   (1 page)
    - calibration   (1-2 pages)
    - monitoring   (1 page)

5.9 Integration   (5-6 pages total)
- overall geometry and mechanical support
- cable routing
- access
- gas system integration
- digitization electronics crates integration
- high voltage system integration
- installation and alignment

5.10 R&D Program   (6 pages total)
- results
- plans