Specifications & Input

- Detector granularity below |η|=2.5 finer than 0.1 x 0.1 (ηxφ)

  - No obvious reason to use finer granularity than in |η|>2.5

  - Upstream (@LASP) summation seems logical choice (reducing link count significantly)

- Data duplication needed for algorithm environment (several FPGAs)

  - Duplication in FPGA at 25 GB/s not yet proven

  - ➡ Assuming upstream duplication

Number of fibres per module needed* (with duplication) for full granularity |η|>2.5 (+ summation for 2.2<|η|<2.5): **246**

*courtesy A. Straessner