

	2009–2018	2022
RF box inner radius (minimum thickness)	5.5 mm (300 $\mu\text{m}$ )	3.5 mm (150 $\mu\text{m}$ )
Inner radius of active silicon detector	8.2 mm	5.1 mm
Total fluence (silicon tip) [ $n_{\text{eq}}/\text{cm}^2$ ]	$4 \times 10^{14}$	$\sim 8 \times 10^{15}$
Sensor segmentation	$r - \phi$ strips	square pixels
Total active area of Si detectors	0.22 $\text{m}^2$	0.12 $\text{m}^2$
Pitch (strip or pixel)	37–97 $\mu\text{m}$	55 $\mu\text{m}$
Technology	n-on-n	n-on-p
Number of modules	42	52
Total number of channels	172 thousand	41 million
Readout rate [ MHz ]	1, analogue	40, zero suppressed
Whole- data rate	150 Gbit/s	$\sim 2$ Tbit/s
Total power dissipation (in vacuum)	800 W	$\sim 2$ kW