



Surface dimensions of tracker barrel layers and disks

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<i>Tracker Barrel</i>				
Nb.	Radius [mm]	Length [mm]	Simple Geometrical Surface [m²]	Total Surface of the Silicon Sensors [m²]
<i>Inner Tacker Barrel (#silicon sensors: 30x 30 mm)</i>				
ITB1	126.7	963.2	0.77	0.79
ITB2	340.1	963.2	2.10	2.20
ITB3	553.5	1384.6	4.82	5.22
<i>Outer Tracker Barrel (#silicon sensors: 30 x 30 mm)</i>				
OTB1	818.5	2528.4	13.00	14.30
OTB2	1152.5	2528.4	18.31	20.32
OTB3	1486.5	2528.4	23.62	26.04

<i>Tracker End-Caps</i>					
Nb.	Inner Radius [mm]	Outer Radius [mm]	Z - coordinates [mm]	Simple geometrical surface [m ²]	Total surface of the silicon sensors[m ²]
<i>Inner Tracker Disks (#silicon sensors: 15x 15 mm)</i>					
ITD1	71.6	403.7	523.6	0.50	0.63
ITD2	98.2	551.0	808.1	0.92	1.13
ITD3	131.0	553.7	1092.6	0.91	1.10
ITD4	163.9	541.2	1377.1	0.84	1.03
ITD5	196.7	543.8	1661.6	0.81	0.98
ITD6	230.6	547.5	1946.1	0.78	0.94
ITD7	250.0	551.8	2190.0	0.76	0.91
<i>Outer Tracker Disks (#silicon sensors: 30x 30 mm)</i>					
OTD1	617.5	1430.2	1310.2	5.23	6.96
OTD2	617.5	1430.2	1616.8	5.23	6.96
OTD3	617.5	1430.2	1883.4	5.23	6.96
OTD4	617.5	1430.2	2190.0	5.23	6.96