

J Hill/D Cockerill

Update on EE and ES Positions, 20 Apr 2011

Old EE positions on Web
August 2006

Field off

Item	Distance from I.P. (mm) FIELD OFF Subtract 16 mm, measured with CMS at 4T, Aug 06, for FIELD ON
EE envelope	3170
Start of screen	3172
End of screen	3174
SC corner nearest IP	3179
Crystal corner nearest IP	3185
Backplate starts	3590
Backplate ends	3650
EE ends 3650 + 341 for service volume	3991
HE starts (megatile front)	4002.5

sition drawings, A Surkov, 31.5.05 [pdf dwg](#)

Location for OSCAR, A Nikitenko, 14.2.02, [txt](#)

New from John Hill 24.1.11

EE Backplate back 5mm wrt info on
web, Aug 2006. Dwg TD-1177-100.

Field off

Item	Distance from IP (mm)
EE Backplate (face nearest IP)	3595
Front face of ES (moderator side nearest to IP)	2977
Distance to supercrystal nearest corner to IP	3184.03
Distance, nearest xtal corner to IP	3190
Note Supercrystal is 6mm nearer to the IP than the xtals! (Due to the protruding carbon fibre which takes the front insert)	
ES Si, middle of front Si plane (nearest IP) to IP	3054.7
Front Si to nearest xtal corner	133.14 (closest Si edge to xtal) 137.36 (furthest Si edge to xtal)
ES Si, middle of rear Si plane (furthest from IP) to IP	3099.7
Rear Si to nearest xtal corner	88.16 (closest Si edge to xtal) 92.37 (furthest Si edge to xtal)