● The simulation is indeed not “state of the art”, but it is certainly sufficient for the results we are interested in.
● The sensor description includes a citation which should contain the relevant details. We prefer not to reproduce it here.
● Unfortunately this was simply given to us by the CMS people handling the sensors, so it’s not clear what we could cite here.
● The full depletion is ~250 volts.
● We’ve re-arranged the sentence to make it clear that other effects might also play a part, though we’re not citing anything here.
● The full noise spectrum is available in Fig 11, and the 830 electron pedestal width is quoted in the simulations section. 6.2 ke was chosen to minimize the noise while retaining signal acceptance, as is mentioned in the paper.
● The cos(theta) term is just a geometric term, and part of the model assumption. In a sense it is verified by the good agreement later on with the plots in Sec 5. We don’t wish to add another plot of the paper for dN/dQ.
● As noted, the comparison comes later in the paper, though the number of clusters > 2 is very small compared to cluster = 2. From Fig 11 we can see already that the model isn’t a perfect description of this quantity, so we don’t gain much from showing more.
● The 10um at y = 0 is clearly the result of very low number of events on the sensor boundary (the error bar reflects this). It’s quite clear from the plot that the alignment is flat, a fit seems unnecessary.
● We simply mean that tracks that don’t cross the sensor (but which appear on the telescope, which has a wider coverage) aren’t considered.
● The different thresholds are not optimal, but are the reality of the data-taking that was done. There is nothing we wish to add to the text here.
● See above.
● The resolution is measured by us. A paper exists citing an even better resolution (8um), but the telescope was changed since then, so we believe our number to be more relevant. We prefer not to cite anything to avoid confusion between our number and the published number.
● We’ve removed this statement, since it indeed seems not to be born out.
● It’s not clear what sensors to compare to. We prefer to keep the paper focused on our measurements of the SSA, and hope it will be a useful reference in the future.

Most type A comments implemented.