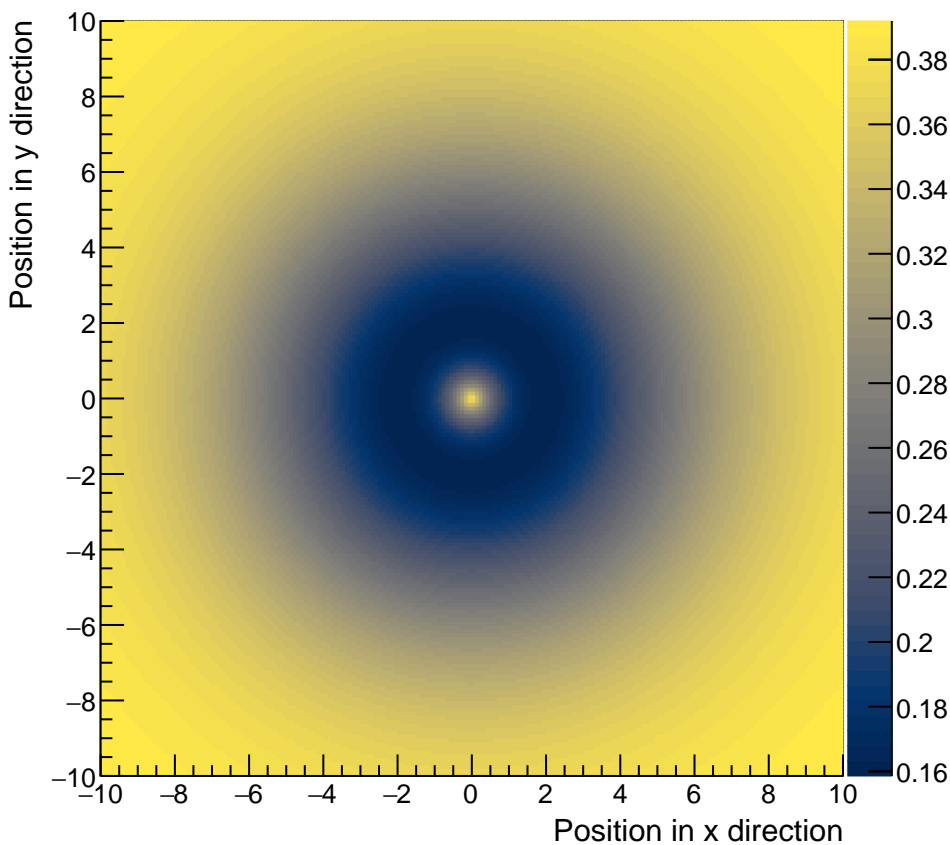


Hydrogen in $n = 2, l = 0, m = 0$ state



The Electron is more likely to be found in the yellow areas and less likely to be found in the blue areas.

3D view of probability amplitude

