

After a quick review on information paradox, black hole complementarity, and firewall paradox, I will present our resolution to the paradoxes. The resolution is based on completing the evolution of a particle encountering the singularity, at the semi-classical regime. The consistent formulation turns out to be a collapse of its state in the Hilbert space; the particle jumps outside of the black hole, after encountering the singularity at the center. In analogy with collapse of the wave function in measurement processes, gravity is analogous to an external force while the singularity is analogous to a macroscopic measuring device. I will describe how this picture resolves the information paradox, completes the complementarity and removes the firewall paradox.