When left alone, quantum particles behave as multiple images of themselves (as waves, really), simultaneously moving through all possible paths in space and time. Now, again, why do we not experience this multitude around ourselves? Is it because we are probing things around us all the time?

Why do all experiments that involve, say, the position of a particle makes the particle suddenly be *somewhere* rather than everywhere? No one knows. Before you probe it, a particle is a wave of possibilities. After you've proved it, it is somewhere, and subsequently, it is somewhere forever, rather than everywhere again.

Strange, that. Nothing, within the laws of quantum physics, allows for such a collapse to happen. It is an experimental mystery *and* a theoretical one. Quantum physics stipulates that whenever something is there, it can transform into something else, of course, but it cannot disappear. And since quantum physics allows for multiple possibilities simultaneously, these possibilities should then keep existing, even after a measurement is made. But they don't. Every possibility but one vanishes. We do not see any of the others around us. We live in a classical world, where everything is based on quantum laws but nothing resembles the quantum world.