In my model, particles are essentially Beltrami flux in Hopf fields. See: Closure of the Beltrami Flux Turbulence Wave Equation Without Pressure (Luiz C.L. Botelho, 1998). You'll see in the aforementioned paper that the Beltrami flux is described by a Hopf-Schrodinger equation! For a description of Hopf fields, see the paper: Topological Features of Inviscid Flows by Robert Ghrist & Rafal Komendarczyk. You can map the Hopf-Schrodinger flux equation onto a Hopf fiber bundle over the Hopf field. It's fairly simple, although this type of math isn't the most common way to do this arena of physics (the more popular way was string theory, knot theory, etc!). Essentially, in my model, particles are fluxes in the field, which is everywhere, and which can potentially be described using a more or less nonlocal Bohmian framework.

It is possible that if we worked with this type of mathematics and the Rod Sutherland interpretation of quantum based on de Broglie-Bohmian interpretation of QM, uniting the four forces together, and GR/QM/QFT together would become--if not trivial--at least much more easy, and that other arenas of physics and chemistry would open up for tighter exploration.