

# **BCS Theory- From material science to particle physics.**

*Wednesday 19 March 2025 10:10 (10 minutes)*

I would like to talk about superconductors in general and then delve into the best explanation of the phenomena so far (for conventional superconductors at least): The BCS theory.

I will explain the theory from a material science point of view and attempt to link it, as much as I can, to what we've learned so far in particle physics.

**Author:** NASRALLAH, Nour

**Presenter:** NASRALLAH, Nour

**Session Classification:** Presentations