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Pabitra, Superconductivity, Muons and the University of Warwick

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While at Warwick, studying for his PhD, Pabitra was prolific in his work studying superconductivity with Prof. Martin Lees and Prof. Don Paul. His thesis captures perfectly the vast array of experimental work he did during his time at the University of Warwick. He discovered new information on the superconducting properties of $\text{FeSe}_{0.5}\text{Te}_{0.5}$, $\text{FeTe}_{1-x}\text{S}_x$, $\text{Lu}_2\text{Fe}_3\text{Si}_5$, CaAlSi , ZrB_{12} , and two different superconducting phases of Re_3W . Here, I aim to summarise the contents of Pabitra's thesis work studying superconductivity using muons and neutrons, as well as some of the work I had the pleasure of collaborating with Pabitra on.

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