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Title: Parafermions and the fractional Josephson effect

I will begin with a brief review of the fractional Josephson effect due to the Majorana modes. Then I will discuss how one can realise parafermions at the edges of the fractional quantum Hall states by suitable gatings with superconductors and ferromagnets and show how it leads to the fractional Josephson effect. Finally, I will show that a difference between the lengths of the chiral edges can act as a source of spontaneous phase bias and drive a Josephson current through the system which would be gate controllable.