

Abstract Submitted  
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**Mott Insulator to Superfluid transition with two component bosons** BARBARA CAPOGROSSO-SANSONE, ITAMP, Harvard, MARCO GUGLIELMINO, Politecnico di Torino, Italy, VITTORIO PENNA, Politecnico di Torino — We consider the Mott insulator to superfluid transition of one component in the presence of a superfluid second component. We study how Mott lobes vary with changing density of the superfluid species and interspecies interaction.

Barbara Capogrosso-Sansone  
ITAMP, Harvard

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