

Abstract Submitted
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Screening of the interaction between fermionic polarons SHIMPEI ENDO, MASAHITO UEDA, University of Tokyo — We study the induced interaction between heavy atoms immersed in a light Fermi sea. We show that when the density of the light fermions is large enough, the induced interaction between N heavy atoms is screened and the heavy atoms behave as independent quasi-particles. We also show that the N -body Efimov effect is suppressed for any N in the dense Fermi sea limit.

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