



SPECIAL SEMINAR

סמינר מיוחד

"Dark Continuum in the Spectral Function of the Resonant Fermi Poltroon"

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Abstract

I will present controlled numerical results for the ground state spectral function of the resonant Fermi polaron in three dimensions and discuss the existence of a "dark continuum" -- a region of anomalously low spectral weight between the narrow polaron peak and the broad spectral continuum maximum at positive energy. Surprisingly, the dark continuum develops when the s-wave scattering length is of the order of the inverse Fermi wavevector, i.e. in the absence of a small interaction-related parameter.

ההרצאה תתקיים ביום חמישי, ה-21.4.16 בשעה 14:30 בבניין המכון למצב מוצק, בחדר הסמינרים.

The lecture will take place on Thursday, 21.4.16 at 14:30 at the seminar room of the Solid State Institute.

Host: Assistant Professor Yoav Sagi