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Work Phone: +34 91 497 6146 Work
Email: a.l.yeyati@uam.es Website: [Click Here](#)

[ALFREDO LEVY YEYATI](#) Full Professor
[Madrid Quantum Transport](#)

Work Module 5, Office 401.4, 4th floor.

Biographical Info

PhD from University of Buenos Aires (1989).

Postdoctoral at UAM (1990-1992).

Assistant Professor, UAM (1992-1994).

Posdoctoral at UAM (1994-1995).

Associate professor (Profesor Titular), UAM (1995-2012).

Full professor (Catedrático), UAM since 2012.

Honors and Awards

Predocctoral fellowship from CONICET (Argentina) 1985-1990

Postdoctoral fellowship from MEC (Spain) 1990-1992.

EU Marie Curie fellowship , 1994-1995.

Research Interests

Electron transport in mesoscopic systems.

Mesoscopic superconductivity.

Molecular electronics.

Hybrid nanostructures.

Electron correlation effects in transport properties.

Quantum information procesing in mesoscopic systems.

Electron transport in advanced materials

Relevant/Recent Publications

Entanglement Detection from Conductance Measurements in Carbon Nanotube
Cooper Pair Splitters B. Braunecker, P. Buset and A. Levy Yeyati, Phys. Rev. Lett.
111, 136806 (2013). [\[URL\]](#)

Majorana Single-Charge Transistor R. Hützen, A. Zazunov, B. Braunecker, A. Levy Yeyati, and R. Egger, Phys. Rev. Lett. 109, 166403 (2012). [\[URL\]](#)

Subradiant Split Cooper pairs A. Cottet, T. Kontos and A. Levy Yeyati, Phys. Rev. Lett. 108, 166803 (2012). [\[URL\]](#)

Detection of Vibration-Mode Scattering in Electronic Shot Noise M. Kumar, R. Avriller, A. Levy Yeyati and J. M. van Ruitenbeek, Phys. Rev. Lett. 108, 146602 (2012). [\[URL\]](#)

Josephson and Andreev transport in Quantum Dots A. Martín-Rodero and A. Levy Yeyati, Adv. Phys. 60, 899 (2011). [\[URL\]](#)

Andreev bound states in supercurrent-carrying carbon nanotubes revealed J-D. Pillet, C.H.L. Quay, P. Morfin, C. Bena, A. Levy Yeyati and P. Joyez, Nature Physics 6, 695 (2010). [\[URL\]](#)

Helical Luttinger Liquid in Topological Insulator Nanowires R. Egger, A. Zazunov, and A. Levy Yeyati, Phys. Rev. Lett. 105, 136403 (2010). [\[URL\]](#)

Carbon Nanotubes as Cooper-Pair Beam Splitters L. G. Herrmann, F. Portier, P. Roche, A. Levy Yeyati, T. Kontos, and C. Strunk, Phys. Rev. Lett. 104, 026801 (2010). [\[URL\]](#)

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