Direct weak localization signature with ultracold atoms: the CBS revival

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Ultracold atomic systems in presence of disorder have attracted a lot of interest over the past decade, in particular to study the physics of Anderson localization (AL) in a renewed perspective. Landmark experiments have been demonstrated, in 1D [?, ?] and 3D [?, ?, ?] geometries. However many challenges remain and new ideas have emerged, as for instance the search for original signatures of Anderson localization in momentum space [?].