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*Atomic decompositions in Banach-valued Hardy spaces on Lipschitz domains*

We prove an atomic decomposition for all the Borel measures that arise as boundary limits of Banach-valued harmonic functions on a Lipschitz domain  $D$ , whose non-tangential maximal function is integrable with respect to harmonic measure of the boundary of  $D$ . As in the case of the disk, the existence of non-tangential boundary limits of all these harmonic functions characterizes the Radon–Nikodym property of the Banach space.