1041-42-53 Elena Prestini* (prestini@mat.uniroma2.it), Dipartimento di Matematica, Universita' di Roma "Tor Vergata", Via della Ricerca Scientifica n.1, Roma 00133, Italy, and Leonardo Colzani and Chris Meaney. Almost everywhere convergence of inverse Fourier transforms.
I will present 1) a simple and quite general proof of the a.e. convergence of inverse Fourier transforms on Euclidean spaces

for square integrable 2) an extension to Lie groups. The first result is in collaboration with Colzani, and Meaney, the second one with Meaney and Mueller. (Received July 29, 2008)