962-44-1008 **Peter Kuchment*** (kuchment@twsu.edu), Mathematics Department, Wichita State University, 1845 N. Fairmount, Wichita, KS 67260-0033. On attenuated Radon transforms. Preliminary report. The talk will address recent developments in analysis of weighted Radon transforms arising in emission tomography. (Received October 01, 2000)