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Via Carlo Alberto 10, I-10123 Torino, Italy, and **Elena Cordero***. *Pseudo-differential operators,
localization operators and time-frequency analysis*. Preliminary report.

We present recent results concerning localization operators and their connection with pseudo-differential operators. Our results are formulated both in the framework of Time-Frequency Analysis and Microlocal Analysis. In particular we investigate wave front sets of solutions of partial differential equations and their counterpart in modulation spaces. (Received September 29, 2005)