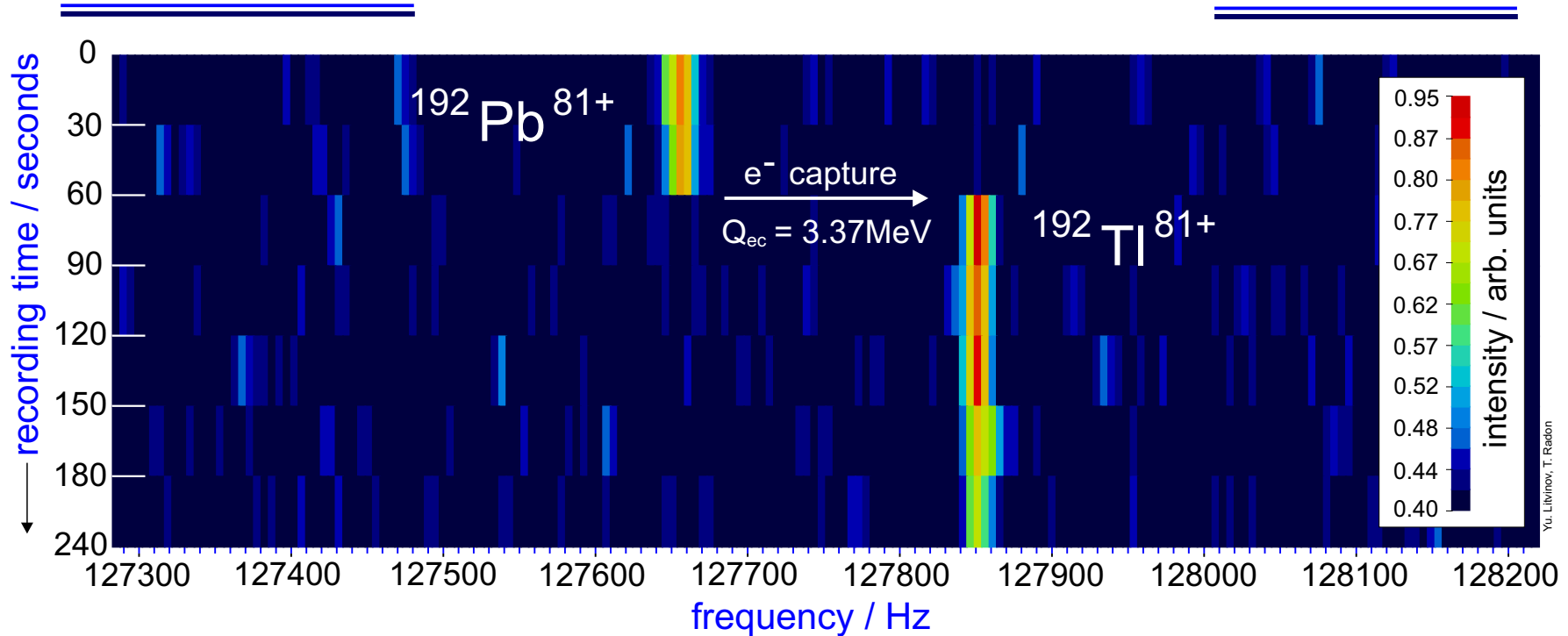


Detection of a Single Cooled Ion



**high sensitivity due to well defined revolution frequency
and high ion charge (Schottky noise $\propto q^2$)**