

Table 1s Influence of the repetition rate on the fractionation for $^{206}\text{Pb}/^{238}\text{U}$

Repetition rate^a (Hz)	3	4	5	6	7	8	9	10
Ablated depth^b (μm)	4.0	5.3	6.7	8.0	9.4	10.7	12.0	13.4
^{206}Pb^c (cps)	376533	470945	539043	606440	670953	717353	768790	805350
Fractionation index^d	1.23	1.3	1.35	1.37	1.43	1.46	1.51	1.57

^a At fluence of 4 J/cm² (40% of transmission for laser energy of 6 mJ)

^b Calculated simply by number of pulses multiply by 120 nm per pulse

^c Sum of counts per second for ^{206}Pb signal intensities of 80 cycles

^d Index of fractionation is calculated by the ratio of mean value of $^{206}\text{Pb}/^{238}\text{U}$ for first 40 cycle data to that for second 40 cycle data (counted reversely from the last cycle data to avoid the big change for the values of $^{206}\text{Pb}/^{238}\text{U}$ occurring at beginning of first several cycles)