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| 密立根油滴实验-静态法计算 | | | | | | | | |
| U平衡(V) | tg(s) | Vg(m/s) | q(C) | n | e(C) | 误差 | 油滴半径/m | K值 |
| 60 | 10.58 | 1.42E-04 | 4.04E-18 | 25 | 1.615E-19 | 0.798% | 1.102E-06 | 8.336E-15 |
| 60 | 11.65 | 1.29E-04 | 3.48E-18 | 22 | 1.580E-19 | -1.370% | 1.050E-06 | 8.293E-15 |
| 60 | 11.56 | 1.30E-04 | 3.52E-18 | 22 | 1.599E-19 | -0.175% | 1.054E-06 | 8.297E-15 |
| 60 | 11.02 | 1.36E-04 | 3.79E-18 | 24 | 1.579E-19 | -1.436% | 1.080E-06 | 8.318E-15 |
| 60 | 11.78 | 1.27E-04 | 3.42E-18 | 21 | 1.627E-19 | 1.560% | 1.044E-06 | 8.288E-15 |
| 平均值 | | | 3.65E-18 | 23 | 1.600E-19 | -0.125% |  |  |

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| 密立根油滴实验-动态法计算 | | | | | | | | | | | |
| U提升(V) | tg(s) | te(s) | Vg(m/s) | Ve(m/s) | q(C) | n | e(C) | 误差 | 油滴半径/m | K值 |
| 240 | 10.58 | 8.9 | 1.42E-04 | 1.69E-04 | 2.21E-18 | 14 | 1.578E-19 | -1.507% | 1.1E-06 | 8.336E-15 |
| 240 | 11.65 | 9.35 | 1.29E-04 | 1.60E-04 | 1.95E-18 | 12 | 1.627E-19 | 1.531% | 1.05E-06 | 8.293E-15 |
| 240 | 11.56 | 9.94 | 1.30E-04 | 1.51E-04 | 1.90E-18 | 12 | 1.585E-19 | -1.037% | 1.05E-06 | 8.297E-15 |
| 240 | 11.02 | 8.49 | 1.36E-04 | 1.77E-04 | 2.18E-18 | 14 | 1.555E-19 | -2.929% | 1.08E-06 | 8.318E-15 |
| 240 | 11.78 | 9.04 | 1.27E-04 | 1.66E-04 | 1.97E-18 | 12 | 1.639E-19 | 2.332% | 1.04E-06 | 8.288E-15 |
| 平均值 | | | | | 2.04E-18 | 13 | 1.597E-19 | -0.322% |  |  |

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| 密立根油滴实验-静态法计算 | | | | | | | | |
| U平衡(V) | tg(s) | Vg(m/s) | q(C) | n | e(C) | 误差 | 油滴半径/m | K值 |
| 168 | 6.3 | 2.38E-04 | 3.21E-18 | 20 | 1.606E-19 | 0.278% | 1.428E-06 | 8.535E-15 |
| 168 | 6.05 | 2.48E-04 | 3.42E-18 | 21 | 1.628E-19 | 1.647% | 1.457E-06 | 8.549E-15 |
| 168 | 6.45 | 2.33E-04 | 3.10E-18 | 19 | 1.631E-19 | 1.798% | 1.411E-06 | 8.527E-15 |
| 168 | 6.67 | 2.25E-04 | 2.94E-18 | 18 | 1.635E-19 | 2.040% | 1.388E-06 | 8.515E-15 |
| 168 | 6.59 | 2.28E-04 | 3.00E-18 | 19 | 1.578E-19 | -1.516% | 1.396E-06 | 8.520E-15 |
| 平均值 | | | 3.13E-18 | 19 | 1.616E-19 | 0.850% |  |  |

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| 密立根油滴实验-动态法计算 | | | | | | | | | | |
| U提升(V) | tg(s) | te(s) | Vg(m/s) | Ve(m/s) | q(C) | n | e(C) | 误差 | 油滴半径/m | K值 |
| 357 | 6.3 | 5.9 | 2.38E-04 | 2.54E-04 | 3.13E-18 | 20 | 1.563E-19 | -2.422% | 1.43E-06 | 8.535E-15 |
| 357 | 6.05 | 5.25 | 2.48E-04 | 2.86E-04 | 3.46E-18 | 22 | 1.574E-19 | -1.723% | 1.46E-06 | 8.549E-15 |
| 357 | 6.45 | 5.34 | 2.33E-04 | 2.81E-04 | 3.22E-18 | 20 | 1.610E-19 | 0.479% | 1.41E-06 | 8.527E-15 |
| 357 | 6.67 | 5.45 | 2.25E-04 | 2.75E-04 | 3.08E-18 | 19 | 1.621E-19 | 1.167% | 1.39E-06 | 8.515E-15 |
| 357 | 6.59 | 5.88 | 2.28E-04 | 2.55E-04 | 2.99E-18 | 19 | 1.575E-19 | -1.713% | 1.4E-06 | 8.520E-15 |
| 平均值 | | | | | 3.18E-18 | 20 | 1.589E-19 | -0.842% |  |  |

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| 密立根油滴实验-静态法计算 | | | | | | | | |
| U平衡(V) | tg(s) | Vg(m/s) | q(C) | n | e(C) | 误差 | 油滴半径/m | K值 |
| 92 | 16.59 | 9.04E-05 | 1.31E-18 | 8 | 1.633E-19 | 1.965% | 8.800E-07 | 8.124E-15 |
| 92 | 18.47 | 8.12E-05 | 1.10E-18 | 7 | 1.578E-19 | -1.488% | 8.340E-07 | 8.067E-15 |
| 92 | 17.58 | 8.53E-05 | 1.19E-18 | 7 | 1.705E-19 | 6.431% | 8.549E-07 | 8.094E-15 |
| 92 | 19.19 | 7.82E-05 | 1.04E-18 | 6 | 1.734E-19 | 8.245% | 8.182E-07 | 8.047E-15 |
| 92 | 18.59 | 8.07E-05 | 1.09E-18 | 7 | 1.562E-19 | -2.483% | 8.313E-07 | 8.064E-15 |
| 平均值 | | | 1.15E-18 | 7 | 1.643E-19 | 2.534% |  |  |

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| 密立根油滴实验-动态法计算 | | | | | | | | | | | |
| U提升(V) | tg(s) | te(s) | Vg(m/s) | Ve(m/s) | q(C) | n | e(C) | 误差 | 油滴半径/m | K值 |
| 280 | 16.59 | 5.97 | 9.04E-05 | 2.51E-04 | 1.62E-18 | 10 | 1.623E-19 | 1.283% | 8.8E-07 | 8.124E-15 |
| 280 | 18.47 | 6.49 | 8.12E-05 | 2.31E-04 | 1.40E-18 | 9 | 1.551E-19 | -3.178% | 8.34E-07 | 8.067E-15 |
| 280 | 17.58 | 5.32 | 8.53E-05 | 2.82E-04 | 1.69E-18 | 11 | 1.535E-19 | -4.208% | 8.55E-07 | 8.094E-15 |
| 280 | 19.19 | 5.49 | 7.82E-05 | 2.73E-04 | 1.54E-18 | 10 | 1.537E-19 | -4.068% | 8.18E-07 | 8.047E-15 |
| 280 | 18.59 | 6.05 | 8.07E-05 | 2.48E-04 | 1.46E-18 | 9 | 1.626E-19 | 1.497% | 8.31E-07 | 8.064E-15 |
| 平均值 | | | | | 1.54E-18 | 10 | 1.574E-19 | -1.735% |  |  |