|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PV Experiment** | **Energy****(GeV)** | **Pol****(%)** | **I****(µA)** | **Target** | **Apv****(ppb)** | **Charge Asym****(ppb)** | **Position Diff****(nm)** | **Angle Diff****(nrad)** | **Size Asym(δσ/σ)** | **Refs.** |
| **HAPPEx-I****1998 – 1999** | 3.3 | 38.868.8 | 10040 | 1H (15 cm) | 15,050 | 200 | 12 | 3 | <10-3 | [1, 2, 3] |
| **G0-Forward****2003 – 2004** | 3.0 | 73.7 | 40 | 1H(20 cm) | 3,000-40,000 | 300±300 | 7±4 | 3±1 | <10-3 | [4] |
| **HAPPEx-II****2004 – 2005** | 3.03 | 87.1 | 55 | 1H, 4He(20 cm) | -1,580, 6,400 | 400 | 2 | 0.25 | <10-3 | [5, 6, 7] |
| **G0-Backward****2006 – 2007** | 0.359, 0.688 | 85.8 | 60 | 1H, 2H(20 cm) | 9,700-37,400 | -30±300 | 47±9 | 1.2±0.5 | <10-3 | [8] |
| **HAPPEx-III****2009** | 3.484 | 89.4 | 100 | 1H(25 cm) | 23,800 | 200±10 | 3 | 0.5±0.1 | <10-3 | [9] |
| **PVDIS****2009** | 6.067 | 89.0 | 105 | 2H(20 cm) | 60,000-160,000 | 100 | 100 | 40 | <10-3 | [10, 11, 12] |
| **PREx-I****2010** | 1.056 | 89.2 | 70 | 208Pb(0.5 mm) | 657±60 | 85±1 | 4 | 1 | <10-4 | [13] |
| **QWeak****2010 – 2012** | 1.162 | 88.7 | 180 | 1H(34 cm) | 226.5±9.3 | 20.5±1.7 | -4.6±0.2 | -0.07±0.01 | <10-4 | [14, 15, 16, 17] |
| **PREx-II****2019** | 0.953 | 89.7 | 70 | 208Pb (0.5 mm) | 550±18 | 20.7±0.2 | 2.2±4 | -0.3±0.3 | <6x10-5 | [18] |
| **CREx****2019-2020** | 2.18 | 87.1 | 150 | 48Ca(5 mm) | 2668± 113 | -88±26 | -5.2±3.6 | -0.13±0.08 | <6x10-5 | [19] |
| **MOLLER****2025-2027** | 11 | 90 | 65 | 1H(125 cm) | 35.6±0.74 | <10 | <0.6 | <0.12 | <10-5 | [20] |
| **SoLID****2030-2032** | 11 | 90 | 50 | 1H, 2H(40 cm) | 500,000±3,000 | <200 | <3 | <1 | <10-4 | [21] |

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