

PV Experiment	Energy (GeV)	Pol (%)	I ( $\mu\text{A}$ )	Target	$A_{\text{pv}}$ (ppb)	Charge Asym (ppb)	Position Diff (nm)	Angle Diff (nrad)	Size Asym ( $\delta\sigma/\sigma$ )	Refs.
HAPPEX-I 1998 – 1999	3.3	38.8 68.8	100 40	$^1\text{H}$ (15 cm)	15,050	200	12	3	$<10^{-3}$	[1, 2, 3]
G0-Forward 2003 – 2004	3.0	73.7	40	$^1\text{H}$ (20 cm)	3,000- 40,000	$300\pm 300$	$7\pm 4$	$3\pm 1$	$<10^{-3}$	[4]
HAPPEX-II 2004 – 2005	3.03	87.1	55	$^1\text{H}, ^4\text{He}$ (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	$^1\text{H}, ^2\text{H}$ (20 cm)	9,700- 37,400	$-30\pm 300$	$47\pm 9$	$1.2\pm 0.5$	$<10^{-3}$	[8]
HAPPEX-III 2009	3.484	89.4	100	$^1\text{H}$ (25 cm)	23,800	$200\pm 10$	3	$0.5\pm 0.1$	$<10^{-3}$	[9]
PVDIS 2009	6.067	89.0	105	$^2\text{H}$ (20 cm)	60,000- 160,000	100	100	40	$<10^{-3}$	[10, 11, 12]
PREx-I 2010	1.056	89.2	70	$^{208}\text{Pb}$ (0.5 mm)	$657\pm 60$	$85\pm 1$	4	1	$<10^{-4}$	[13]
QWeak 2010 – 2012	1.162	88.7	180	$^1\text{H}$ (34 cm)	$226.5\pm$ 9.3	$20.5\pm 1.7$	$-4.6\pm 0.2$	$-0.07\pm 0.01$	$<10^{-4}$	[14, 15, 16, 17]
PREx-II 2019	0.953	89.7	70	$^{208}\text{Pb}$ (0.5 mm)	$550\pm 18$	$20.7\pm 0.2$	$2.2\pm 4$	$-0.3\pm 0.3$	$<6\times 10^{-5}$	[18]
CREx 2019-2020	2.18	87.1	150	$^{48}\text{Ca}$ (5 mm)	$2668\pm$ 113	$-88\pm 26$	$-5.2\pm 3.6$	$-0.13\pm 0.08$	$<6\times 10^{-5}$	[19]
MOLLER 2025-2027	11	90	65	$^1\text{H}$ (125 cm)	$35.6\pm 0.7$ 4	$<10$	$<0.6$	$<0.12$	$<10^{-5}$	[20]
SoLID 2030-2032	11	90	50	$^1\text{H}, ^2\text{H}$ (40 cm)	500,000 $\pm 3,000$	$<200$	$<3$	$<1$	$<10^{-4}$	[21]