

In the tables, experiments ending with A, B or C are run group additions. They are running parallel to the experiments with same experiment number.
Experiments ending with (a) and (b) take data in two run groups.

Run groups A and B (CLAS12)

Proposal	Physics	Contact	Rating	Days	PAC	Group Days	Equipment	Energy	Group	Target	Complete
E12-06-108	Hard exclusive electro-production of π^0, η	Stoler	B	80	38 J:48	139	1 sector RICH Forward tagger	11	A Sabatié	liquid H ₂	75d 54%
E12-06-108A	Exclusive N* to KY studies with CLAS12	Carman			42 J:48						
E12-06-108B	Transition form factor of the η' Meson with CLAS12	Kunkel			44 J:48						
E12-06-112	Proton's quark dynamics in SIDIS pion production	Avakian	A	60	38 J:48						
E12-06-112A	Semi-inclusive Λ production in target fragmentation region	Mirazita			42 J:48						
E12-06-112B	Collinear nucleon structure at twist-3	Pisano			42 J:48						
E12-06-119(a)	Deeply Virtual Compton scattering	Sabatie	A	80	30 J:48						
E12-09-003	Excitation of nucleon resonances at high Q²	Gothe	B+	40	34 J:48						
E12-11-005	Hadron spectroscopy with forward tagger	Battaglieri	A-	119	37 J:48						
E12-11-005A	Photoproduction of the very strangest baryon	Guo			40 J:48						
E12-12-001	Timelike Compton scatt. & J/ψ production in e+e-	Nadel-Turonski	A-	120	39 J:48						
E12-12-001A	Near threshold J/ψ photoproduction and study of LHCb pentaquarks	Stepanyan			45 J:48						
E12-12-007	Exclusive ϕ meson electroproduction with CLAS12	Stoler, Weiss	B+	60	39 J:48						
E12-07-104	Neutron magnetic form factor	Gilfoyle	A-	30	32 J:48	90	Neutron detector 1 sector RICH Forward tagger	11	B Hafidi	liquid D ₂	39d 43%
E12-07-104A	Quasi-real photoproduction on deuterium	Phelps			47 J:48						
E12-09-007(a)	Study of partonic distributions in SIDIS kaon production	Hafidi	A-	110	38 J:48						
E12-09-008	Boer-Mulders asymmetry in K SIDIS w/ H and D targets	Contalbrigo	A-	56	38 J:48						
E12-09-008A	Hadron production in target fragmentation region	Mirazita			42 J:48						
E12-09-008B	Collinear nucleon structure at twist-3	Pisano			42 J:48						
E12-11-003	DVCS on neutron target	Niccolai	A	90	38 J:48						
E12-11-003A	In medium structure functions, SRC, and the EMC effect	Hen			43 J:48						
E12-11-003B	Study of J/ψ photoproduction from the deuteron	Ilieva			46 J:48						
Total PAC days for 21 PAC approved experiments, partially completed 2018-2020											

Run groups C, F, K and M (CLAS12)

Proposal	Physics	Contact	Rating	Days	PAC	Group Days	Equipment	Energy	Group	Target	Complete
E12-06-109	Longitudinal spin structure of the nucleon	Kuhn	A	80	30 J:48	120	2 sectors RICH Forward tagger	11	C Kuhn	Long. polarized NH ₃ ND ₃	81d 67%
E12-06-109A	DVCS on the neutron with polarized deuterium target	Niccolai			44 J:48						
E12-06-119(b)	DVCS on longitudinally polarized proton target	Sabatie	A	120	38 J:48						
E12-07-107	Spin-orbit correlations with longitudinally polarized target	Avakian	A-	103	38 J:48						
E12-07-107A	Single baryon production in the target fragmentation region	Hayward			50						
E12-09-007(b)	Study of partonic distributions using SIDIS K production	Hafidi	A-	80	38 J:48						
E12-09-007A	Dihadron electroproduction in DIS	Dilks			48						
E12-09-009	Spin-orbit correlations in K production with polarized targets	Avakian	B+	103	38 J:48						
E12-06-113	Free Neutron structure at large x	Bueltman	A	42	30	42	Radial TPC	11	F	Gas D ₂	42d 100%
E12-06-113A	Neutron DVCS Measurements with BONuS12 in CLAS12	Dupre			47	100	Forward Tagger	6.6, 8.8	K	LH2	12d 12%
E12-16-010	A search for Hybrid Baryons in Hall B with CLAS12	D'Angelo	A-	100	44 J:48						
E12-16-010A	Nucleon Resonances in exclusive KY electroproduction	Carman			44 J:48						
E12-16-010B	DVCS with CLAS12 at 6.6 and 8.8 GeV	Elouadrhiri			44 J:48						
E12-16-010C	Separation of the σ_L and σ_T contributions to hadron production	Avakian			51	45	No-FT	1.1, 2.2, 4.4, 6.6	M	Nuclear	35d 78%
E12-17-006	Electrons for neutrinos: addressing critical neutrino-nucleus issues	Hen	A	45	46						
E12-18-003	Exclusive studies of short-range correlations in nuclei	Hen			46						
Total PAC days for 14 PAC approved experiments, partially and 1 fully completed 2018-2023						307					170

Run groups D, E, and L (CLAS12)

Proposal	Physics	Contact	Rating	Days	PAC	Group Days	Equipment	Energy	Group	Target	Completed
E12-06-106	Color transparency in exclusive vector meson production	El Fassi	B+	30	30 J:48	30		11	D El Fassi	Nuclear & liquid D2	
E12-06-106A	Nuclear TMDs in CLAS12	Dupre			48						
E12-06-117	Quark propagation and hadron formation	Brooks	A-	60	30 J:48	60	Chilean setup	11	E	Nuclear	
E12-06-117A	Dihadron measurements in electron-nucleus scattering with CLAS12	Arratia			48						
E12-17-012	Partonic structure of light nuclei	Meziani	A-	55	45	55	ALERT detector	11	L	High pressure gas H, D, 4He	
E12-17-012A	Tagged EMC measurements on light nuclei	Dupre			45						
E12-17-012B	Spectator-tagged DVCS on light nuclei	Armstrong			45						
E12-17-012C	Other physics opportunities with ALERT	Hafidi			45						
E12-23-013	Measuring short-range correlations with ALERT	Hauenstein	A	17	51	17		6.6	T		
Total PAC days for 9 PAC approved experiments, scheduled until 2025						162					

Run groups I and J (non-CLAS12)

Proposal	Physics	Contact	Rating	Days	PAC	Group Days	Equipment	Energy	Group	Target	Complete
E12-11-006	Heavy Photon Search at Jefferson Lab (HPS)	Jaros	A	180	37, 39 J:48		Setup in alcove	2.2, 6.6	I	Nuclear	78d 43.3%
E12-11-106	High precision measurement of proton charge radius	Gasparian	A	15	39		Primex	1.1, 2.2	J	H2 gas jet	15d 100%
Total PAC days for 2 PAC approved experiments, 1 partially and 1 fully completed 2019-2021				195							93

Run groups O, Q, and S (non-CLAS12)

Proposal	Physics	Contact	Rating	Days	PAC	Group Days	Equipment	Energy	Group	Target	Complete
E12-20-004	PRad-II: High precision measurement of proton charge radius	Gasparian	A	40	48		Primex	0.7, 1.4, 2.1	O	H2 gas jet	
E12-21-003	A direct detection search for hidden sector new particles	Gasparian	A	60	50		Primex	2.2, 3.3	Q	Ta	
E12-22-003	Precision measurement of neutral pion transition form factor	Larin	A-	67	50		Primex	11	S	Si	
Total PAC days for 3 PAC approved experiments, not scheduled				167							

Run groups G, H, N, P (CLAS12), not scheduled

Proposal	Physics	Contact	Rating	Days	PAC	Group Days	Equipment	Energy	Group	Target	Completed
E12-14-001	EMC effect in spin structure functions	Brooks	B+ to A-	55	35 J:48	55		11	G	Pol. 6LiH/7LiD	
C12-11-111	SIDIS on transverse polarized target	Contalbrigo	A	110	39 J:48	110		11	H	Trans. pol. HD	
C12-12-009	Transversity with di-hadron on transverse target	Avakian	A	110	39 J:48						
C12-12-010	DVCS with transverse polarized target	Elouadrhiri	A	110	39 J:48						
C12-20-002	Spin-dependent electron scattering with polarized 3He target	Milner	A-	30	48	30		11	N	Pol. 3He	
E12-20-005	Precision measurements of A=3 nuclei in Hall B	Szumila-Vance	A-	60	48	30		2.2, 6.6	P	3H/3He	
Total PAC days for 6 PAC approved and C1 experiments						225					

No run group assignment (CLAS12)

Proposal	Physics	Contact	Rating	Days	PAC	Group Days	Equipment	Energy / Beam	Group	Target	Completed
PR12-21-004	Semi-Inclusive Deep Inelastic Scattering Measurement of A=3 Nuclei with CLAS12 in Hall B	Weinstein	C2	58	49, 50	58	CLAS12	11		D/3H/3He	
C12+23-008	A Direct Measurement of Hard Two-Photon Exchange with Electrons and Positrons at CLAS12	Schmidt	A	55	51	55	CLAS12	2.2, 4.4, 6.6 e+/-		LH2	
C12+23-002	Beam charge asymmetries for Deeply Virtual Compton Scattering on the proton at CLAS12	Voutier	A-	100	51	100	CLAS12	2.2, 11 e+/-		LH2	
Total PAC days for 6 PAC C2 and positron beam C1 conditionally approved experiments						213					

Total PAC days for 50 PAC approved and C1 experiments (CLAS12)	923		284
Total PAC days for 5 PAC approved experiments (non-CLAS12)	362		93
Total PAC days for 1 PAC C2 and 2 positron beam C1 conditionally approved experiments	213		
SUM of all PAC days	1498		377