

Run Groups

HALL B

Proposal	Physics	Contact	Rating	Days	Group	Equipment	Energy	Run Group	Target
E12-06-108	Hard exclusive electro-production of π^0, η	Stoler	B	80	139	RICH (1 sector) Forward tagger	11	A F. Sabatié	liquid H ₂
E12-06-108A	Exclusive N [*] ->KY Studies with CLAS12	Carman		(60)					
E12-06-108B	Transition Form Factor of the η' Meson with CLAS12	Kunkel		(80)					
E12-06-112	Proton's quark dynamics in SIDIS pion production	Avakian	A	60					
E12-06-112A	SIDIS Λ production in target fragmentation region	Mirazita		(60)					
E12-06-112B	Collinear nucleon structure at twist-3	Pisano		(60)					
E12-06-119(a)	Deeply Virtual Compton Scattering	Sabatie	A	80					
E12-09-003	Excitation of nucleon resonances at high Q ²	Gothé	B+	40					
E12-11-005	Hadron spectroscopy with forward tagger	Battaglieri	A-	119					
E12-11-005A	Photoproduction of the very strangest baryon	Guo		(120)					
E12-12-001	Timelike Compton Scatt. & J/ ψ production in e+e	Nadel-Turonski	A-	120					
E12-12-001A	J/ ψ Photoproduction & study of LHCb pentaquarks	Stepanyan		(120)					
E12-12-007	Exclusive ϕ meson electroproduction with CLAS12	Girod	B+	60					
E12-07-104	Neutron magnetic form factor	Gilfoyle	A-	30	90	Neutron detector RICH (1 sector) Forward tagger	11	B K. Hafidi	liquid D ₂ target
E12-09-007(a)	Study of partonic distributions in SIDIS kaon production	Hafidi	A-	30					
E12-09-008	Boer-Mulders asymmetry in K SIDIS w/ H and D targets	Contalbrigo	A-	56					
E12-09-008A	Hadron production in target fragmentation region	Mirazita		(60)					
E12-09-008B	Collinear nucleon structure at twist-3	Pisano		(60)					
E12-11-003	DVCS on neutron target	Niccolai	A	90					
E12-11-003A	In medium structure functions, SRC, and the EMC effect	Hen		(90)					
E12-11-003B	J/Phsi production on deuterium	Ilieva	N/A	(80)					
E12-11-003C	Quasi-real Photoproduction on Deuterium	Hauenstein	N/A	(90)					
Beam time partial sum				765 (1555)	229				

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E12-06-109	Longitudinal Spin Structure of the Nucleon	Kuhn	A	80	185	Polarized target RICH (1 sector) Forward tagger	11	C	S. Kuhn	NH ₃ ND ₃
E12-06-109A	DVCS on the neutron with polarized deuterium target	Niccolai		(60)						
E12-06-119(b)	DVCS on longitudinally polarized proton target	Sabatie	A	120						
E12-07-107	Spin-Orbit Correl. with Longitudinally polarized target	Avakian	A-	103						
E12-09-007(b)	Study of partonic distributions using SIDIS K production	Hafidi	A-	80						
E12-09-009	Spin-Orbit correlations in K production w/ pol. targets	Avakian	B+	103						
E12-06-106	Color transparency in exclusive vector meson production	Hafidi	B+	60	60		11	D		
E12-06-117	Quark propagation and hadron formation	Brooks	A-	60	60		11	E		Nuclear
E12-06-113	Free Neutron structure at large x	Buelتمان	A	42	42	Radial TPC	11	F		Gas D ₂
E12-06-113A	Neutron DVCS Measurement with BONuS12 in CLAS12	Hattawy	NA	40						
E12-14-001	EMC effect in spin structure functions	Brooks	B+	55	55	Pol. LiH target	11	G		LiH
TOTAL CLAS12 run time (approved experiments)				1466 (2118)	631					
Proposal	Physics	Contact	Rating	Days	Group	Equipment	Energy	Group	Target	
C12-11-111	SIDIS on transverse polarized target	Contalbrigo	A	110	110	Transverse target	11	H	HD	
C12-12-009	Transversity w/ di-hadron on transverse target	Avakian	A	110						
C12-12-010	DVCS with transverse polarized target in CLAS12	Elouadrhiri	A	110						
All CLAS12 transverse target proposals				330	110					
E12-11-006	Heavy Photon Search at Jefferson Lab (HPS)	Jaros	A	180	180	Setup in alcove	2.2, 6.6	I		Nuclear
E12-11-106	High Precision Measurement of the Proton Charge Radius	Gasparian	A	15	15	Primex	1.1, 2.2	J		H ₂ gas
Beam time request from CLAS12 C1 experiments + non-CLAS12 experiments				525	305					
Beam time from approved CLAS12 experiments (from previous table)				1466 (2118)	631					
Beam time for Hall B experiments table 1 + table 2 (incl. 110 days of C1 approved exp.)				1991 (2643)	936					

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Proposal	Physics	Contact	Rating	Days	Group	Equipment	Energy	Group	Target
E12-16-010	A search for Hybrid Baryons in Hall B with CLAS12	D'Angelo	A-	100	100	Forward Tagger	6.6, 8.8	K Confinement & Strong QCD	IH2
E12-16-010A	Nucleon Resonances in exc. KY electroproduction	Carman	A-	(100)					
E12-16-010B	DVCS with CLAS12 at 6.6 and 8.8 GeV	Elouadrhiri	A-	(100)					
Total Beam time of Run Group K				100 (300)	100				
E12-17-012	Partonic Structure of Light Nuclei	Meziani	A-	(35)	55	ALERT detector	2.2, 11	L	D ₂ , ⁴ He
E12-17-012A	Tagged EMC measurements on Light Nuclei	Dupre	A-	(45)					
E12-17-012B	Spectator-Tagged DVCS on Light Nuclei	Armstrong	A-	(45)					
E12-17-012C	Other Physics Opportunities w/ ALERT	Hafidi	A-	55					
Total Beam time Run Group L				55 (180)	55				
E12-17-006	Electrons for Neutrinos: Addressing Critical Neutrino-Nucleus Issues	Hen		45	45	Nuclear Targets		M	Nuclear
E12-17-006A	Exclusive Studies of Short Range Correlations in Nuclei using CLAS12	Hen							
Total beam time of Run Group M				45	45				
Beam time of approved & C1 approved CLAS12 experiments from table 1 + table 2				1991 (2763)	936				
Beam time for Hall B experiments table 1 + table 2 + table 3				2191 (3288)	1136				

Proposal Count	Experiment Days	Run Groups	RG days
43	3288	13	1136