of 96% of active volume shall be 95%	Nominal Electric Field of 96% of active volume shall be uniform to <5%	Equivalent electric field uniformity as FD.	Full Scale Demonstra- tor	MIF Integrated Testing
HV ripple contributio n to system noise	The HV ripple in the ND LArTPC shall contribute < 100 e- electron equivalent noise contribution (ENC) to the overall system noise level.	The HV system should be engineered so that it is not a significant contributor to overall system noise.	Full Scale Demonstra- tor	MIF Integrated Testing
Photon detection pileup separation	The photon detection system shall efficiently discriminate the light signals from separate neutrino interactions at nominal beam intensity to < 100 ns	and accuracy of charge-	Demonstra-	MIF Integrated Testing
detection	The time resolution of the photon detection system which match to neutrino interation time shall be < 10 ns	This specification is needed to achieve photon detection pileup separation, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-005.	Full Scale Demonstra- tor	MIF Integrated Testing
detection efficiency for discriminati	The photon detection efficiency shall be high enough to discriminate two light signals from localized energy depositions of ~20% difference in intensity or > 50 cm spatial separation within the ND LArTPC.	This specification is needed to achieve photon detection pileup separation, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-005.	Full Scale Demonstra- tor	MIF Integrated Testing
	HV ripple contribution to system noise Photon detection pileup separation Photon detection time resolution Photon detection detection detection detection detection detection detection detection deficiency for discriminati	Cathode HV ripple contributio n to system noise Photon detection pileup separation Photon detection detection detection pribut Photon detection pribut Photon detection pribut Photon detection detection detection time resolution Photon detection time resolution Photon detection detection time resolution Photon detection detection detection time resolution Photon detection detection detection detection detection detection detection efficiency for discriminati on LArTPC shall contribute 	Cathode HV ripple contributio n to system noise Photon detection pileup separation Photon detection pricup separation Photon detection detection detection detection pricup separation Photon detection dime resolution The time resolution of the photon detection system which match to neutrino interaction time shall be < 10 ns The photon detection difference in intensity or by to < 100 ns The time resolution of the photon detection system which match to neutrino interaction should contribute to the efficiency and accuracy of charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-005.	Cathode HV ripple < 100 e- electron equivalent noise contribution (ENC) to the noise level. The photon detection system shall efficiently discriminate the light signals from separation equivalent interaction stime resolution Photon detection which match to neutrino interaction time resolution Photon detection system which match to neutrino interaction time fifficiency for discrimination on Photon detection system which match to neutrino interaction time of the photon detection efficiency for discrimination on Photon detection efficiency for discrimination on Photon detection efficiency for discrimination on Photon detection efficiency of difference in intensity or solution of the photon detection pileup separation, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-018, to provide the required efficiency and accuracy in charge-light signal matching, SYS-005.