



Figure 1 – Program and Timeline in Baseline Scenario (B)

Index: ■ Operation ■ Construction ■ R&D, Research P: Primary S: Secondary
 § Possible acceleration/expansion for more favorable budget situations

Science Experiments	Timeline	2024	2034	Science Drivers						
				Neutrinos	Higgs Boson	Dark Matter	Cosmic Evolution	Direct Evidence	Quantum Imprints	Astronomy & Astrophysics
LHC					P	P		P	P	
LZ, XENONnT						P				
NOvA/T2K				P				S		
SBN				P				S		
DESI/DESI-II				S		S	P			P
Belle II						S		S	P	
SuperCDMS						P				
Rubin/LSST & DESC				S		S	P			P
Mu2e									P	
DarkSide-20k						P				
HL-LHC					P	P		P	P	
DUNE Phase I				P				S	S	S
CMB-S4				S		S	P			P
CTA						S				P
G3 Dark Matter §				S		P				
IceCube-Gen2				P		S				P
DUNE FD3				P				S	S	S
DUNE MCND				P				S	S	
Higgs factory §					P	S		P	P	
DUNE FD4 §				P				S	S	S
Spec-S5 §				S		S	P			P
Mu2e-II									P	
Multi-TeV §					P	P		P	S	
LIM				S		P	P			P

Advancing Science and Technology through Agile Experiments

ASTAE §				P	P	P	P	P	P	
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Science Enablers

LBNF/PIP-II										
ACE-MIRT										
SURF Expansion										
ACE-BR §, AMF										

Increase in Research and Development

GARD §										
Theory										
Instrumentation										
Computing										

Approximate timeline of the recommended program within the baseline scenario. Projects in each category are in chronological order. For IceCube-Gen2 and CTA, we do not have information on budgetary constraints and hence timelines are only technically limited. The primary/secondary driver designation reflects the panel’s understanding of a project’s focus, not the relative strength of the science cases. Projects that share a driver, whether primary or secondary, generally address that driver in different and complementary ways.