

Long-baseline neutrino oscillation programme

Narrow-band beam

- T2K (exploitation) Exploitation: complete data sample order of magnitude larger than present; statistical reduced by -3.
- J-PARC accerator upgrade 700 kW operation
- NOvA (exploitation) 450 kW
- Booster RF upgrade (15 Hz) 700 kW operation

Hyper-K

- Proposal submitted to KEK/ICRR
- KEK/ICRR submit revised proposal to MEXT
- Hyper-K placed on MEXT road-map
- Excavation, construction commissioning
- Exploitation CPiV (assumes MH known); improved precision on mixing parameters; proton-decay searches; neutrino astrophysics;
- Statistical precision (to be evaluated)

Long-baseline neutrino oscillation programme

Wide-band beam

- MINOS+ (exploitation)
- LBNF
 - PIP II (1.2 MW)
 - PIP III (2.4 MW)
- LBNF
 - Lol to FNAL PAC
 - CDR to FNAL PAC
 - Completion of FNAL PAC review of CDR
 - Preparation for CD 2
 - CD2 approval
 - Excavation, construction commissioning
 - First 10kT module complete
 - Full 40kT fiducial mass
 - Exploitation MH, CPiV ; improved precision on mixing parameters; proton-decay searches; neutrino astrophysics;
- Mass Hierarchy 2, 3, 5 σ sensitivity for 100% δ
- CPV 2, 3, 5 σ sensitivity for 50% of δ
- θ_{23} Precision on $\sin^2 \theta_{23}$ ($\theta_{23} = \pi/2$)
- Dm₂ Precision on Dm²₃₂
- Proton decay p → K + ν at current limits, 3x, 10x

Solar neutrino experiments:

Elastic scattering:

H2O	Super-K, Hyper-K			
Liquid	Borexino	SNO+	LENA	JUNO
Inorganic	CLEAN (Lne)	LBNF	XMASS, LZ (LXe)	

Charged-current detection

Segment	LENS			
Water	ASDC (7Li loaded H2O C)			

Reactor experiments:

Jiangmen Underground Neutrino Observatory (JUNO)

Civil construction	Detector installation	Operation
2014-2017	2018-2019	2020--

RENO-50

Civil construction	Detector installation	Operation
		2020--