Physics session: Introduction

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Topics in this meeting

- Further refine LBL sensitivity studies
  - Additional studies after April (J-PARC PAC)
    - ν:anti-ν run time ratio, dependence on θ_{23}, sensitivity to mass hierarchy / octant
  - Another framework (aka VALOR)
    - Cross check, identify major systematics
- More topics with neutrino beam
  - Lorentz violation → *postponed*
- Solar neutrino update

09:00	**Introduction** *Irving K Barber Learning Centre Room 182, University of British Columbia*	*YOKOYAMA, Masashi* 09:00 - 09:10
	Sensitivity of T2HK using the simple fitter *Irving K Barber Learning Centre Room 182, University of British Columbia*	*CREMONESI, Linda* 09:10 - 09:30
	T2HK sensitivity studies using VaLOR *Irving K Barber Learning Centre Room 182, University of British Columbia*	*SHAH, raj* 09:30 - 09:40
	Solar neutrino measurement in Hyper-Kamiokande *Irving K Barber Learning Centre Room 182, University of British Columbia*	*KOSHIO, Yusuke* 09:40 - 09:50

Future activities

- Optimization of detector design (cost reduction)
  - Reduce segmentation walls?
  - Reduce number of sensors?
- Enhance sensitivity
  - Reduction of systematic errors with near detectors
  - Beam optimization?
- More topics
  - Lorentz violation, non-standard interaction, …
  - Is there exotic CPV models we can test?
- LBL study publication (→PTEP?), being prepared