

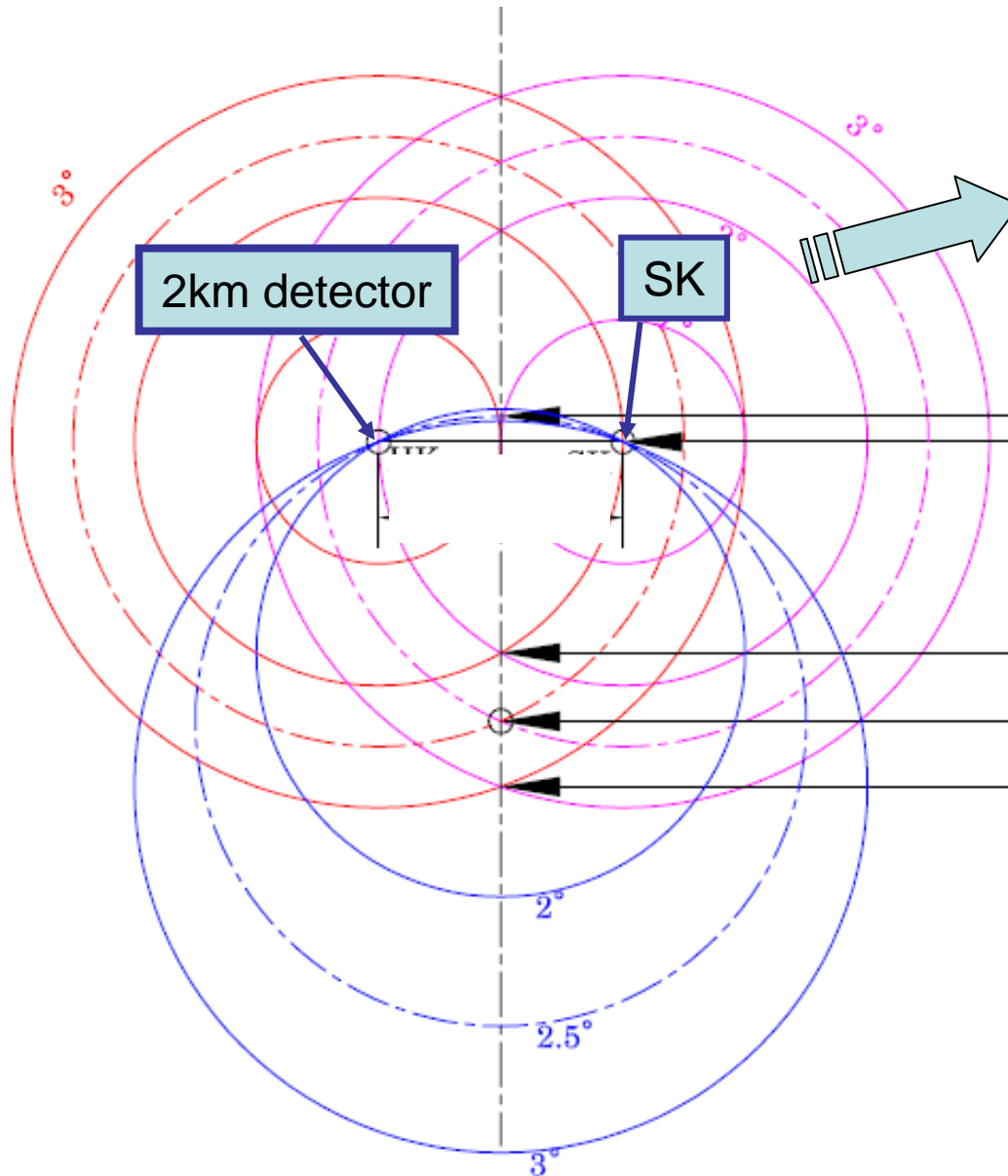
# Left-right monitor and the 280m hall

Takaaki Kajita

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2km meeting

# Motivation



The beam may not be identical between SK and 2KM (Anselmo's talk).

→ Left-right monitor at the 280m hall. (Left-right monitor at the 2km site is impossible.)

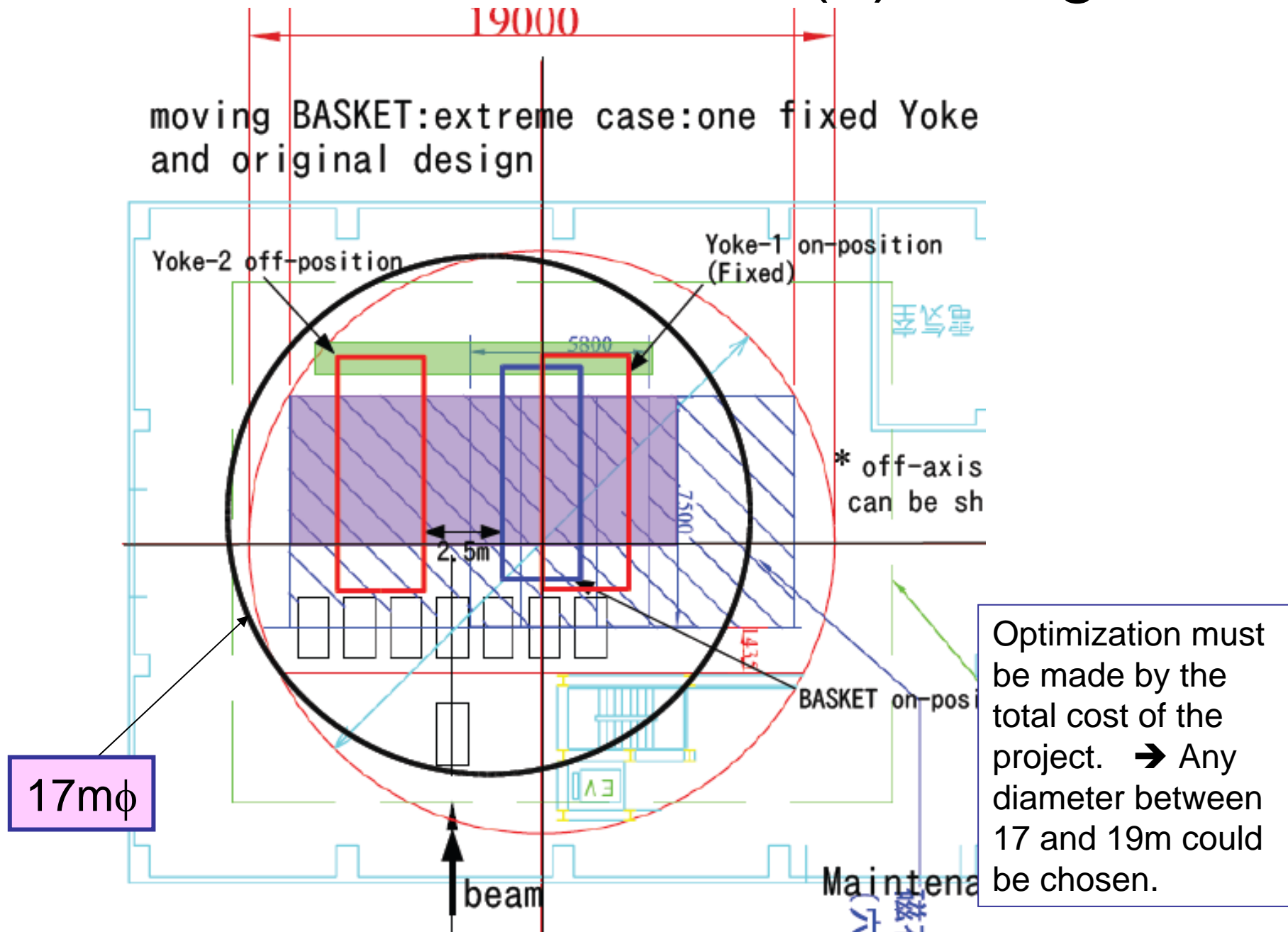
Beam center for 2.0 deg beam

Beam center for 2.5 deg beam

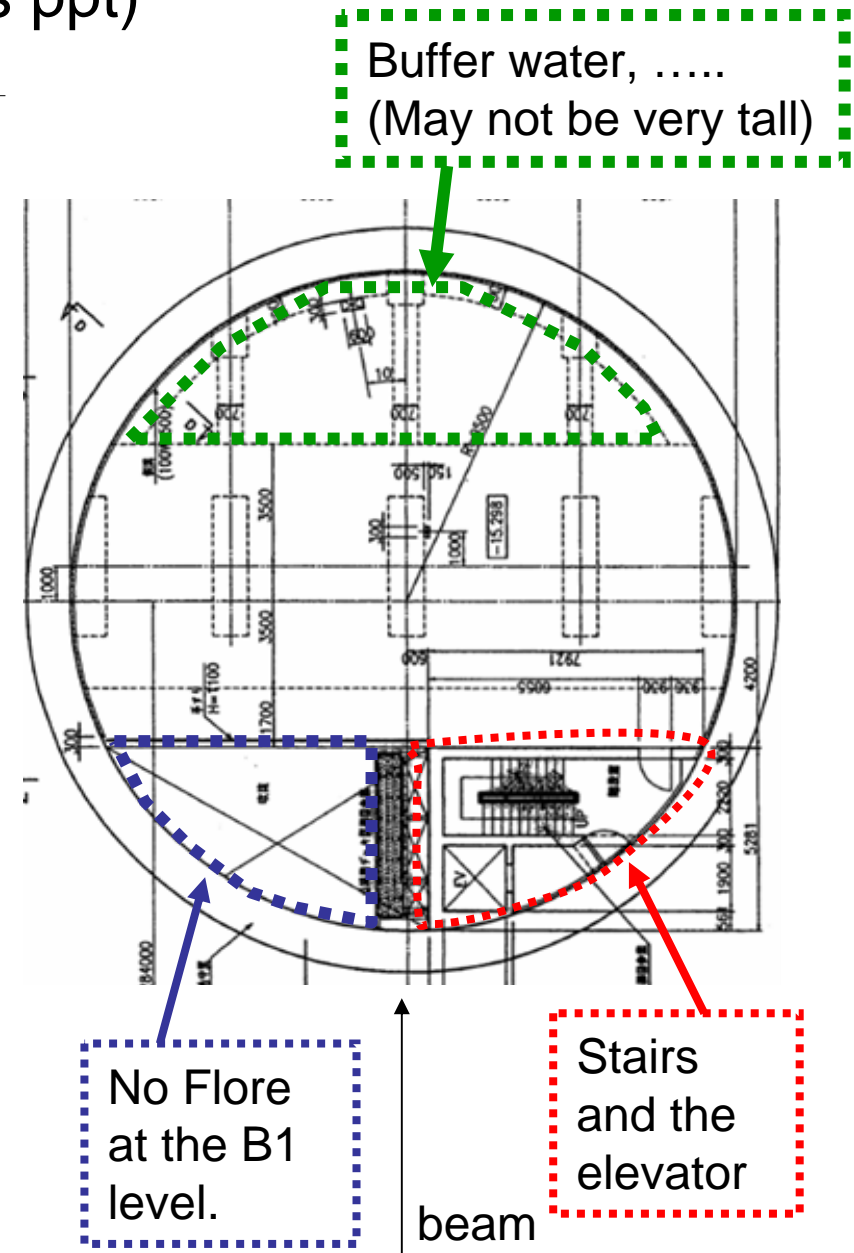
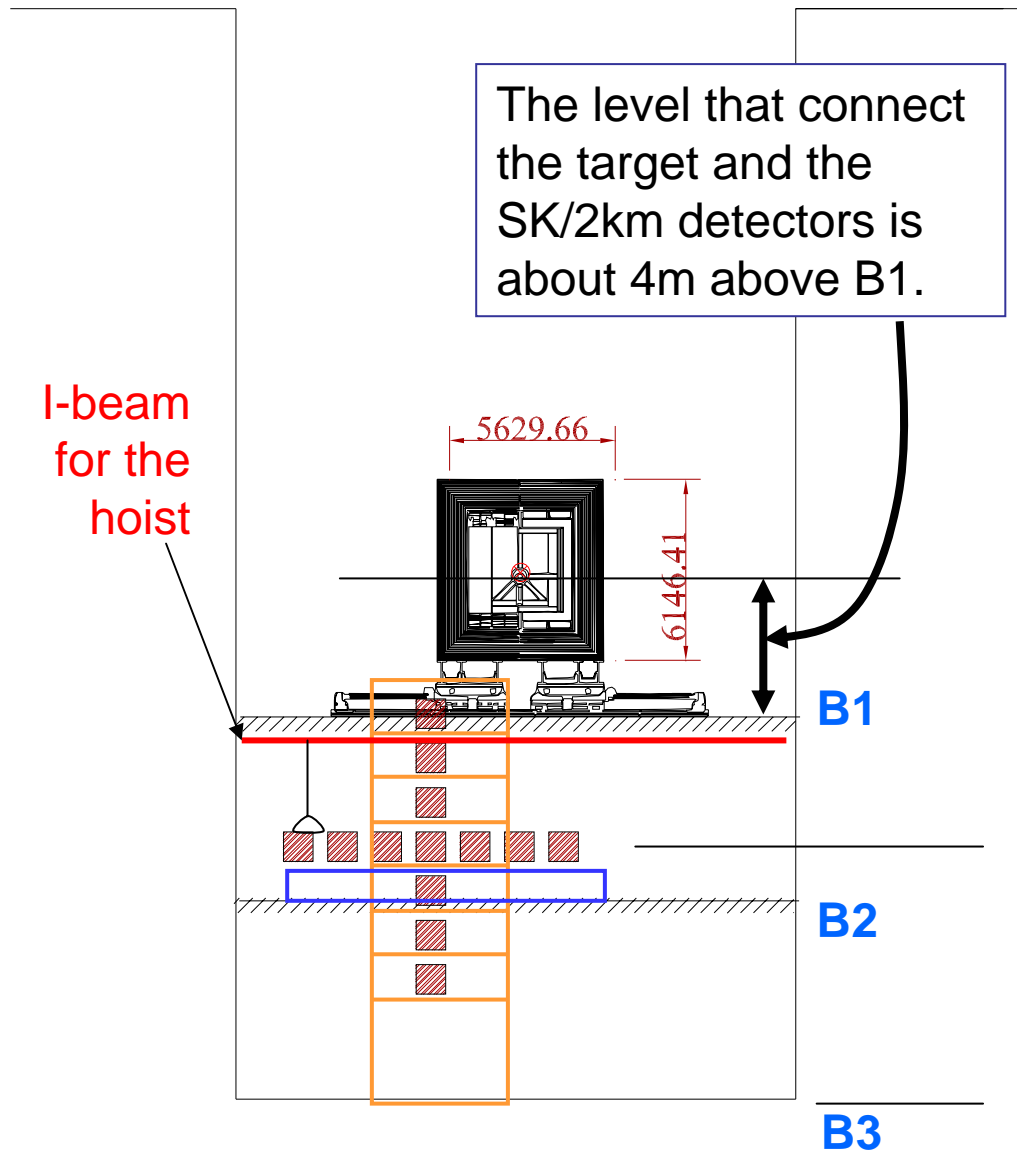
Beam center for 3.0 deg beam



# 280m Hall: Smallest(?) design



# Some more information (from Jan2006 T2K meeting by Ishii-san's ppt)

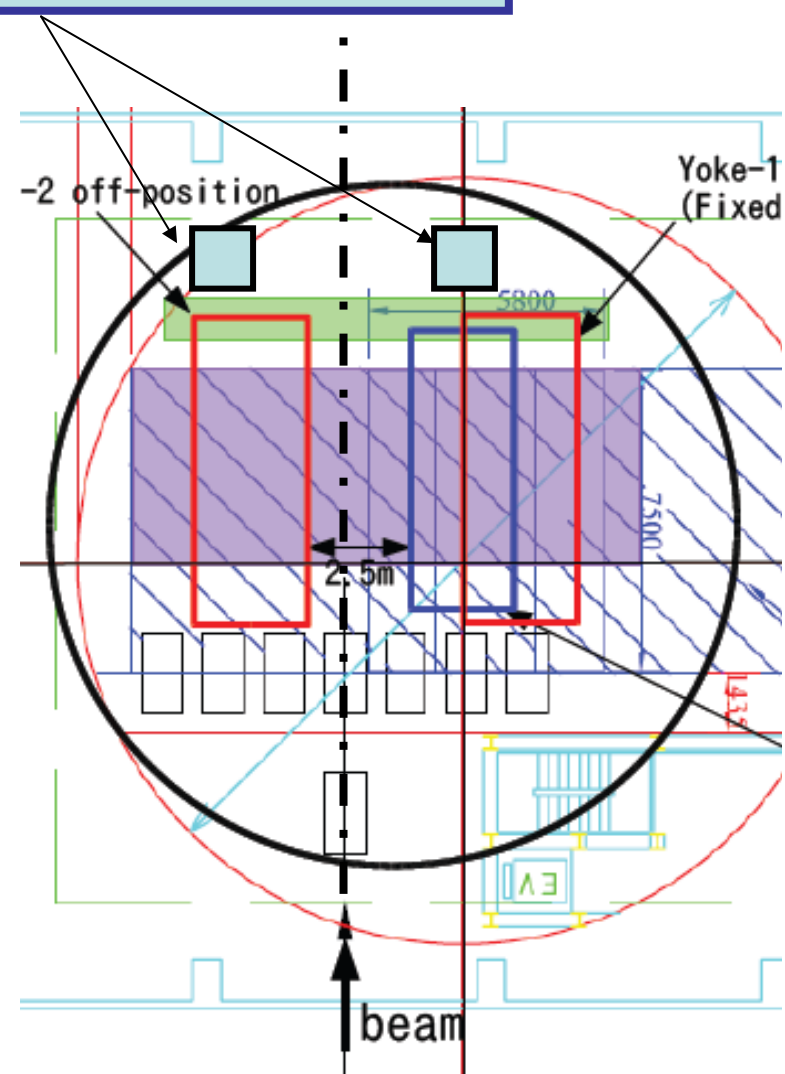
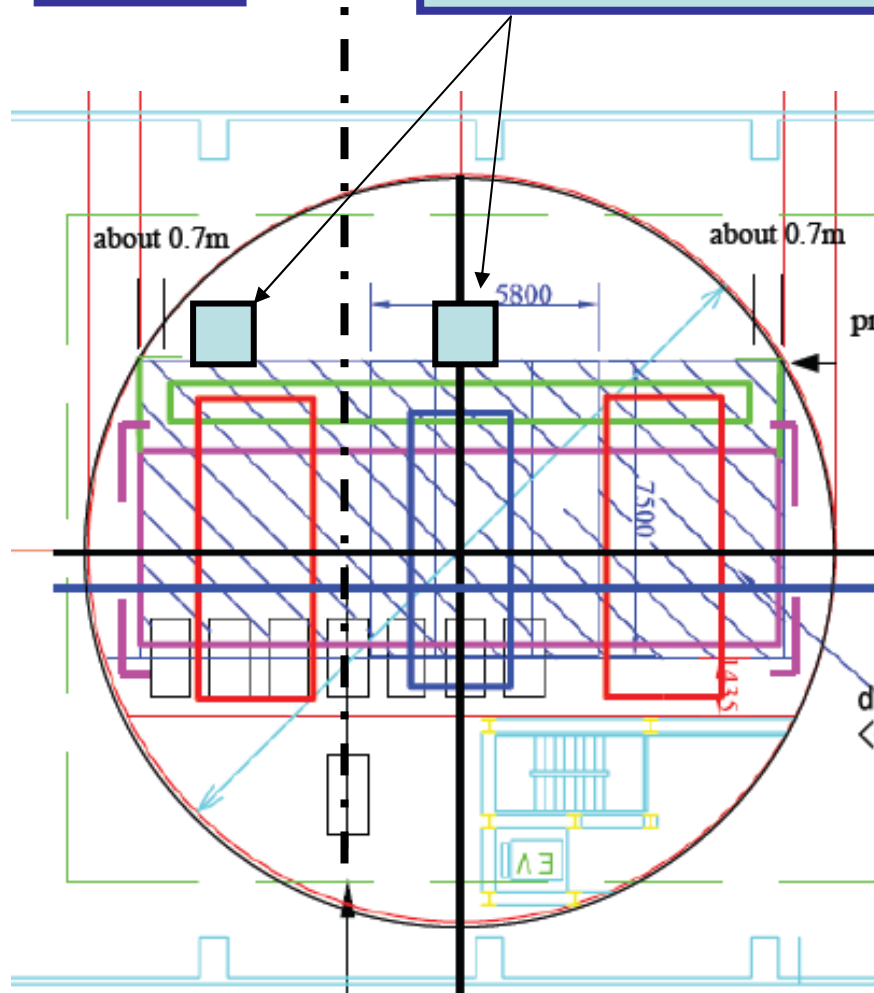


# Where can we put the left-right monitor ?

19m $\phi$

For example, (1m)<sup>3</sup>, NGRID like ?, 4m above B1

17m $\phi$



# To do

- 2KM group must submit the “realistic” proposal in this month to Tsukamoto-san and 280 group.
- The proposal must include the dimension, the weight, and the possible location of the detectors.
- We probably need Monte Carlo studies of the beam to know the requirements to the detectors.
- We probably need a sub-group in 2KM to work on this issue seriously.

# References

- T.Tsukamoto, ND280 Conv. Meeting  
March 3, 2006.
- T.Ishii, T2K meeting, Jan. 2006.

(If you would like to see them, and if you cannot access to them, please let me know. I will send the files. )