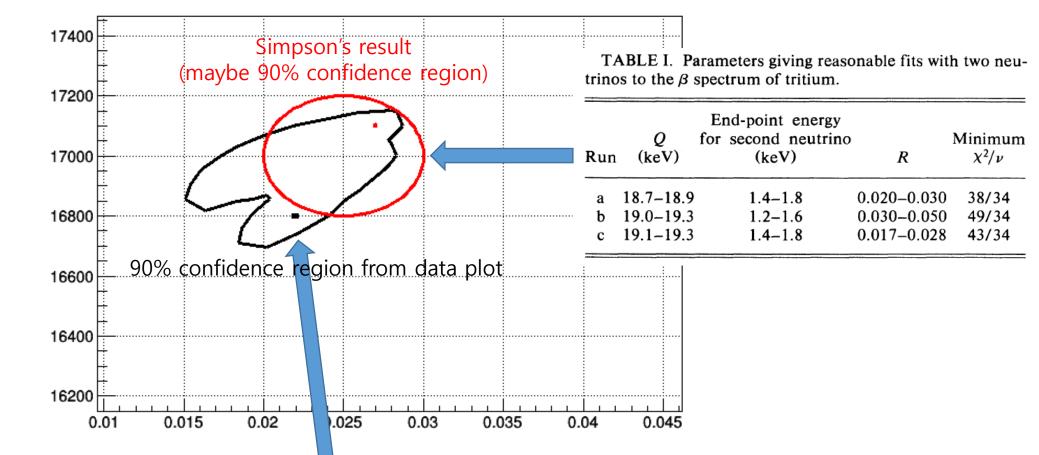
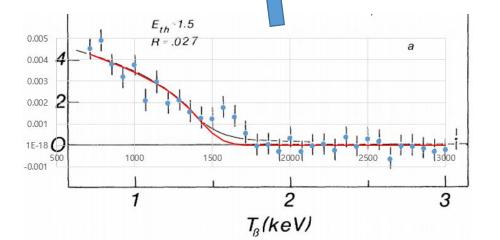
Weekly report (2019/06/03)

1. Sensitivity of Simpson's data





2. MMC test

Measure the critical current of meander pick-up coil

: to check the allowable magnitude of current flowing in the pickup coil for generation of magnetic field

status

ММС	# of tested (usable/broken)	Comment
1*1 mm^2, both side, 5% diff.	6(4/2)	
14*1.3 mm^2, both side, 5% diff.	1(1/0)	
0.3*0.3 mm^2, both side, 5% diff.	3(3/0)	One will be used in my test detector

Measure the M-T curve

: to be done in this week, with 1.4*1.3 mm^2 and one side MMC

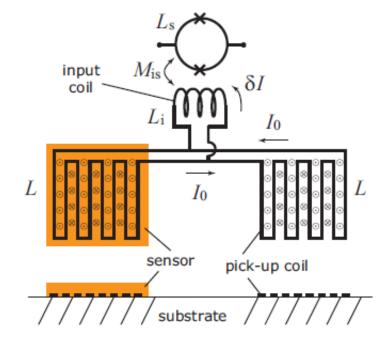


Fig. 2.4 Schematic diagram of meander-shaped MMC. A persistent current flowing through the meander coils supplies a magnetic field to the sensor.

We will use the MMC where

- sensors are placed in both side,
 to cancel out the external temperature fluctuation
- and area of sensors are different in 5%
 to measure the M-T curve to check the previously known parameters are well reflected in total