

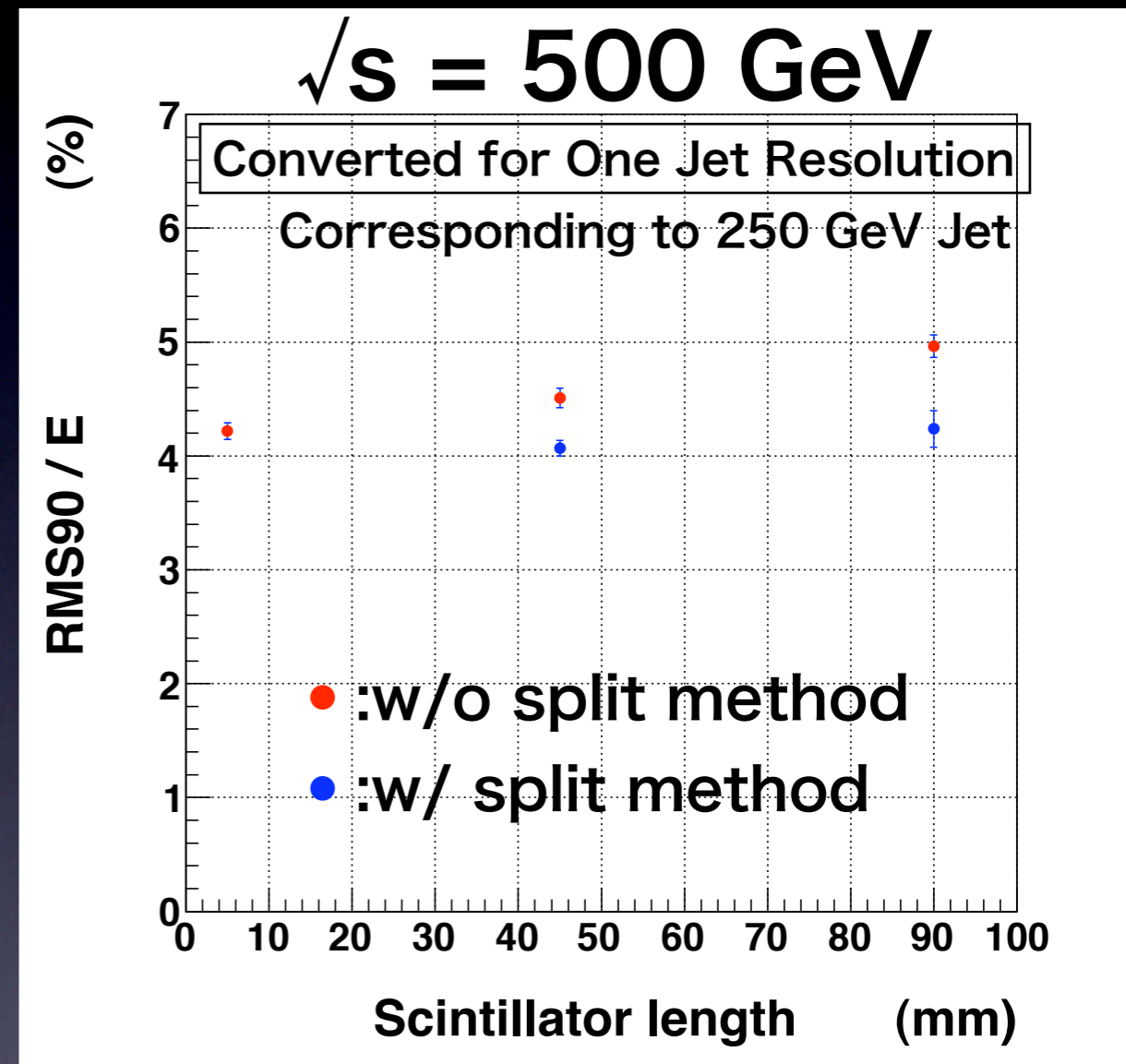
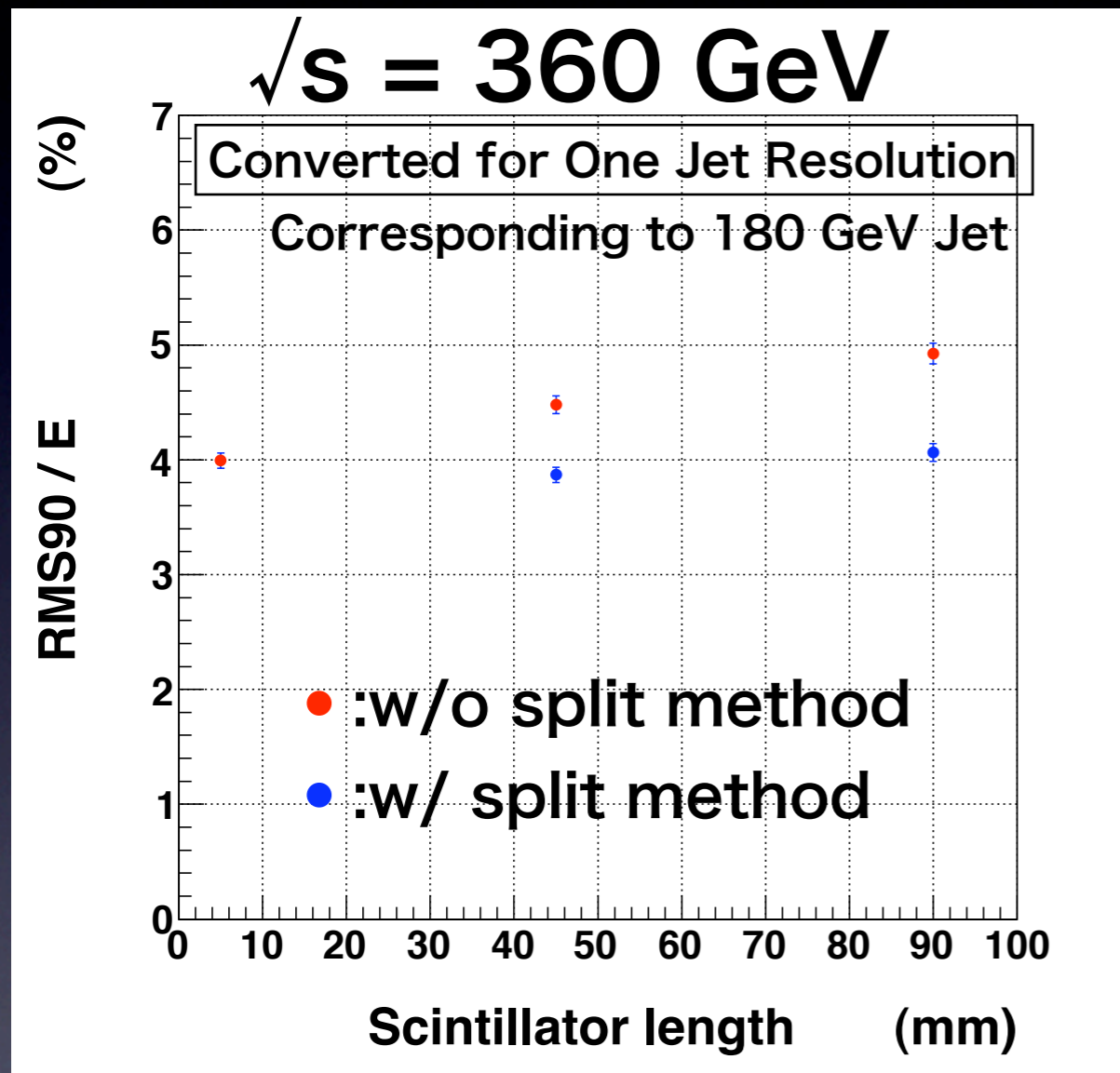
# Status of Strip Clustering

K. Kotera, Shinshu university

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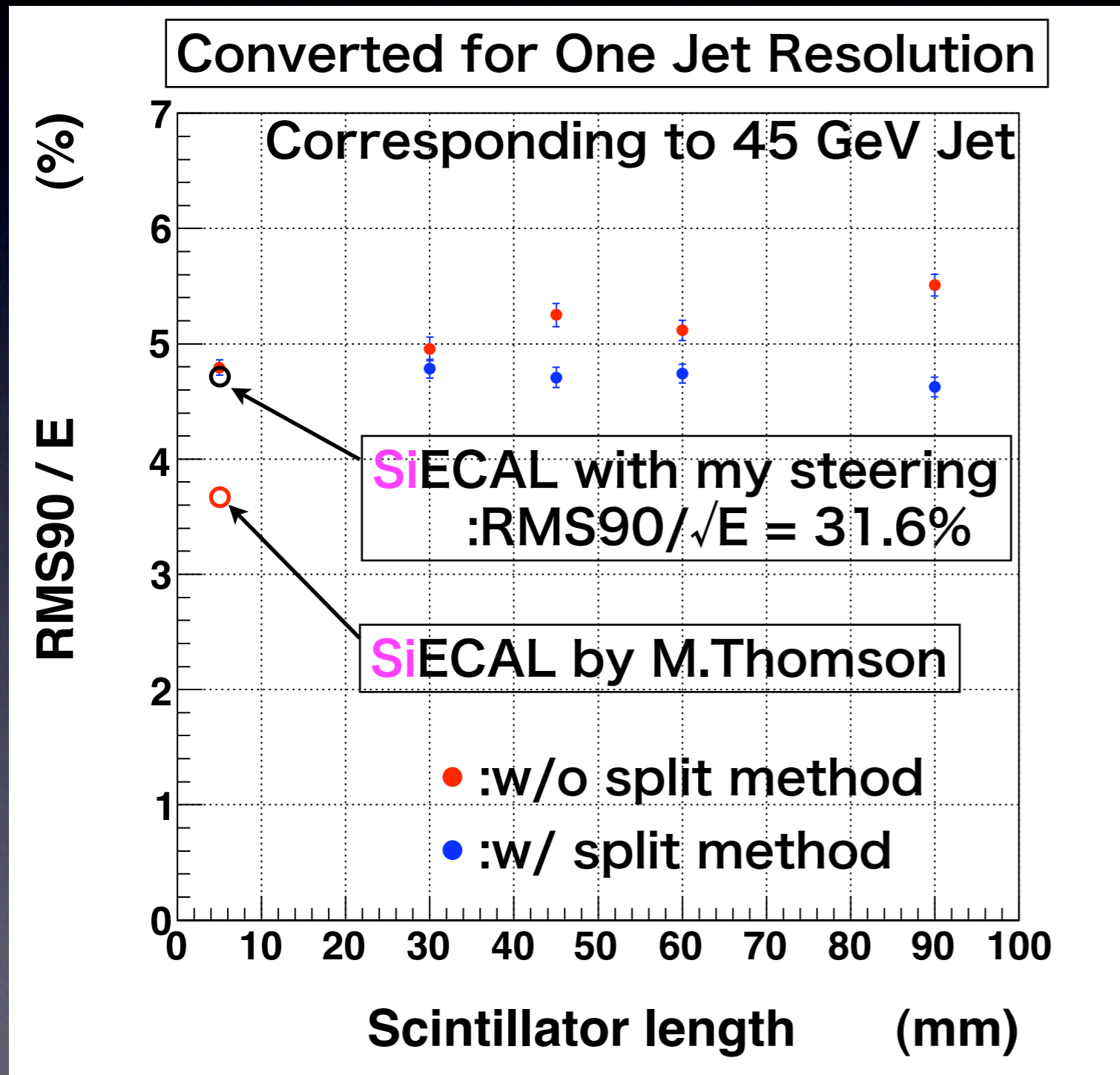
# Sc. length dependence of the Jet energy resol.n



Split method still makes the similar performance for  $\sqrt{s} = 500 \text{ GeV}$  as that tile ScECAL( 5 mm x 5 mm ) makes.

# Sc. length dependence of the Jet energy resol.n

$\sqrt{s} = 91 \text{ GeV}$ , Scintillator width = 5 mm



Performance of 27 layers of ScECAL with PandoraPFA.

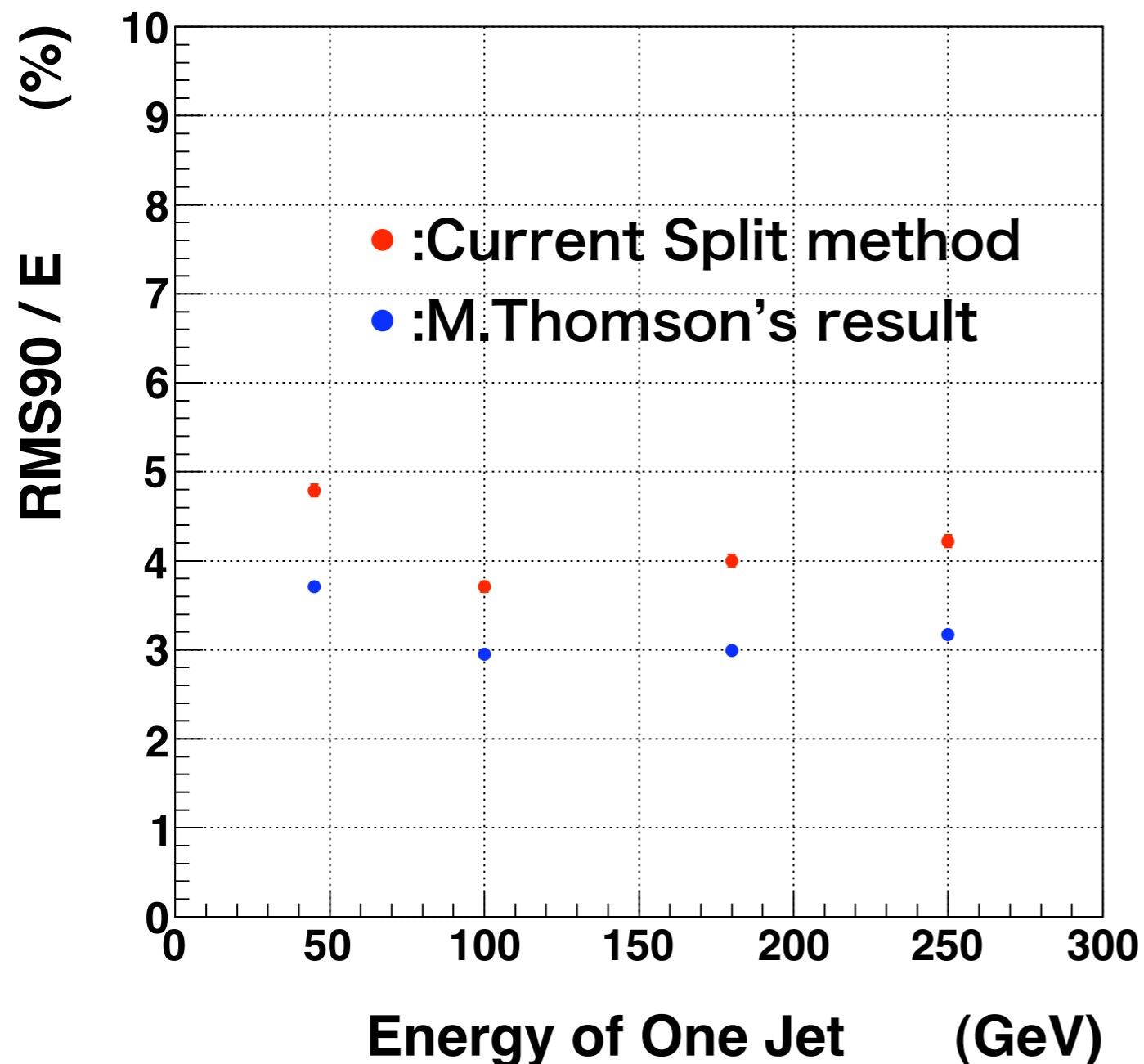
$\cos(\text{thrust angle}) < 0.4$

for one jet resolution,  
(RMS90/E for two jet)  $\times \sqrt{2}$

90 mm strip ScECAL still has the similar JER as that 5 mm x 5 mm square cell ECAL

With my steering file (PFA parameters) SiECAL (20+10 layers) also does not have enough performance comparing with M.Thomson's study.

# Energy dependence of the Jet energy resol.n



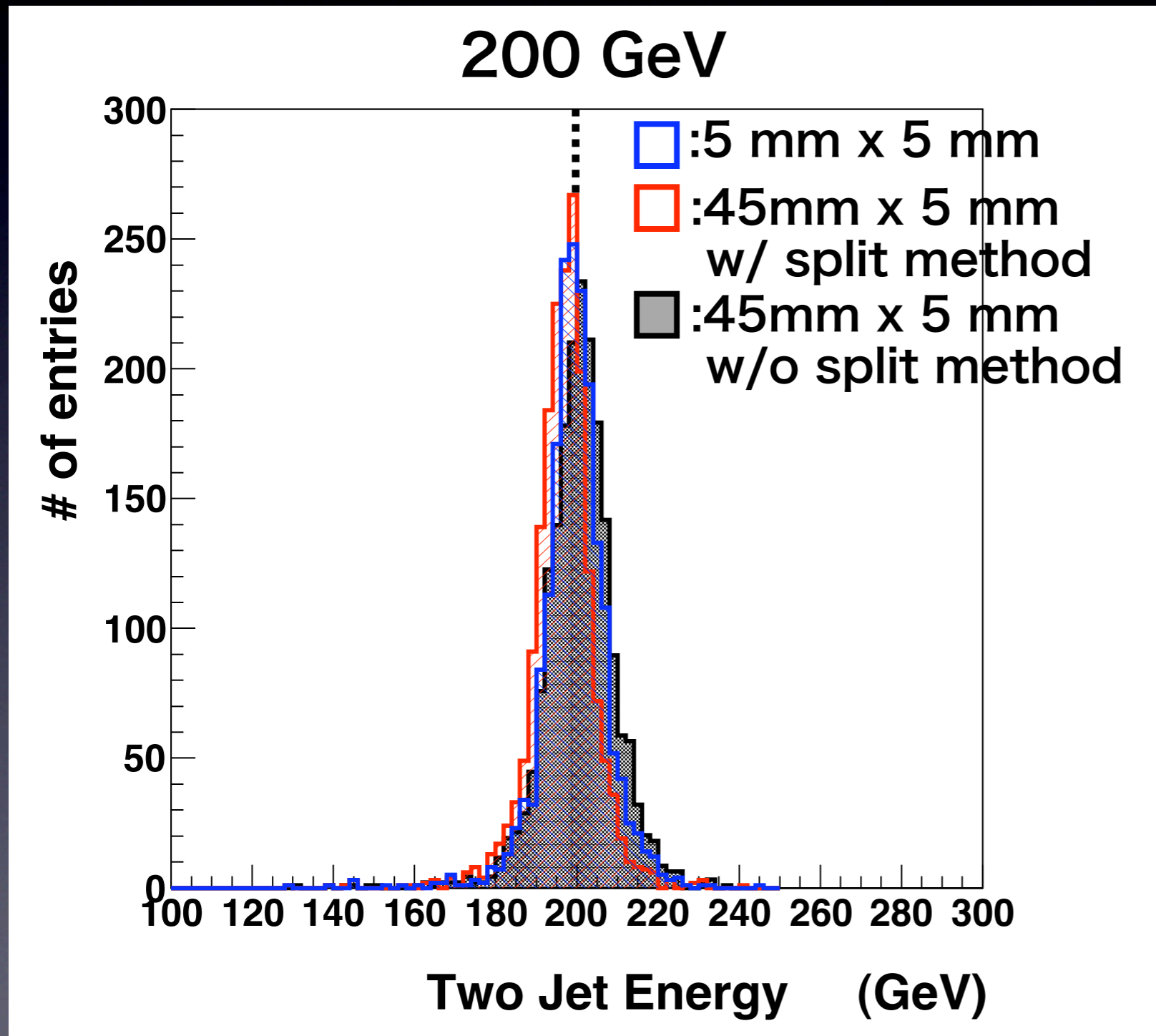
The Energy dependence of the Jet energy resolution with the split method is the similar as the M. Thomson's result.

# On going

- ilcsoft - v01-08 with a module “splitStrip”
- default analysis with SiECAL
- NewPandoraPFA

# Sc. length dependence of the Jet energy

$\sqrt{s} = 200$  GeV, Scintillator width = 5 mm



Hatched histogram, with 45 mm x 5 mm ScECAL without Split method, has broader shape than others