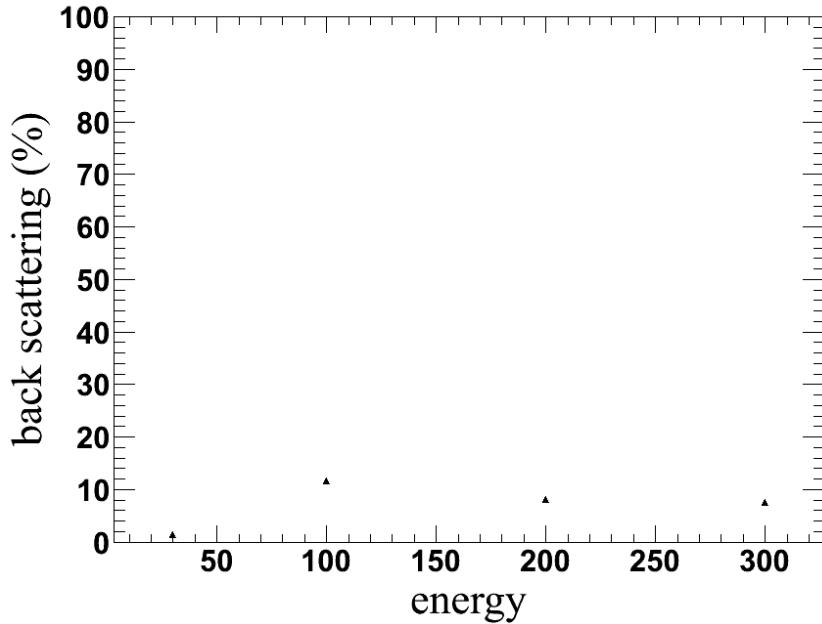


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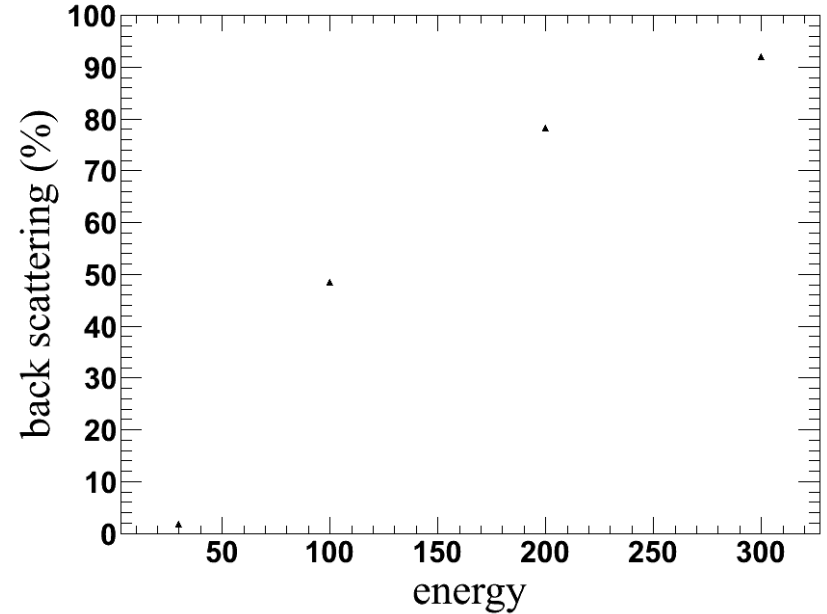
Eunah Joo

Back scattering



BS/(total over threshold hit)

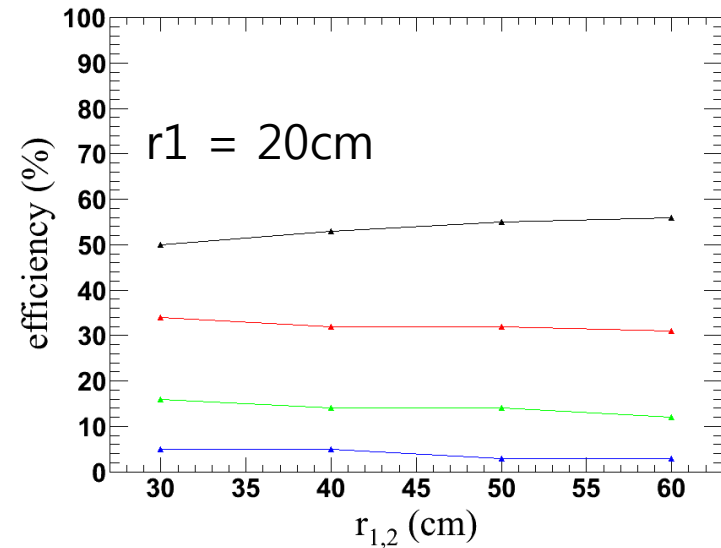
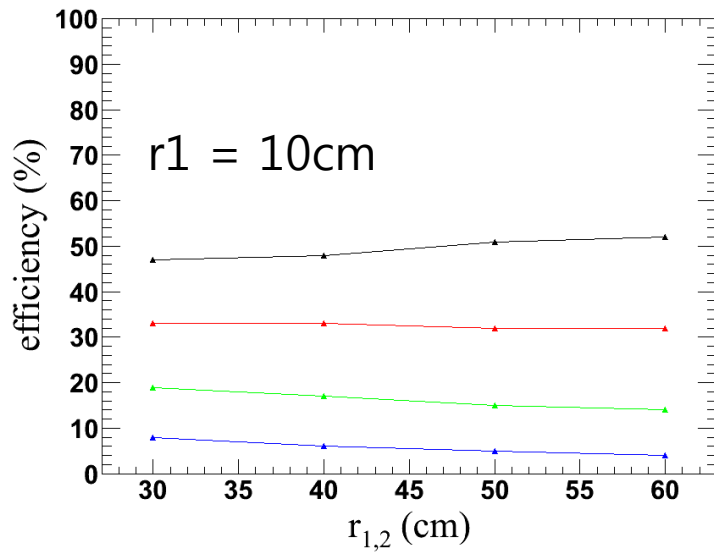
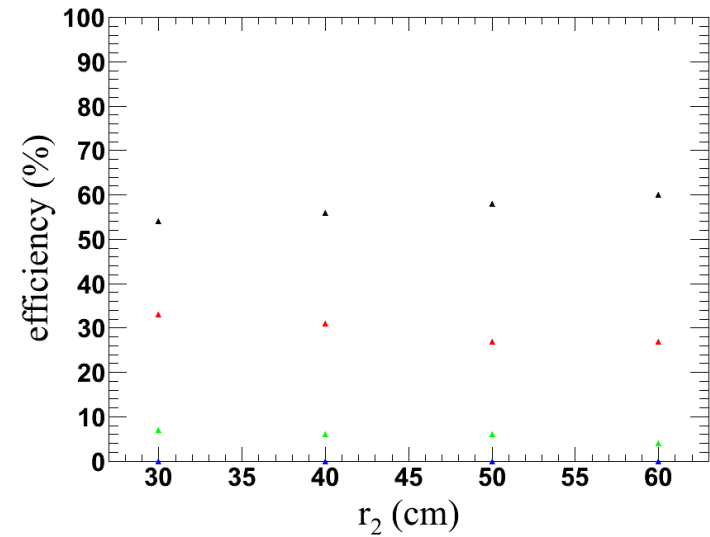
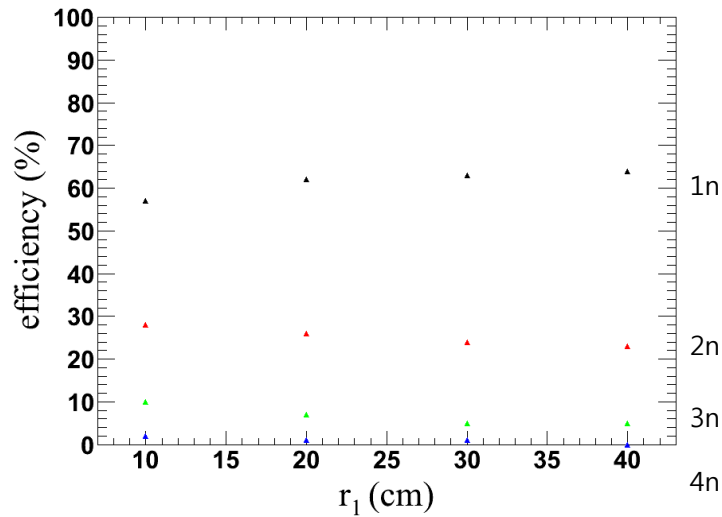
: threshold를 넘는 hit의 전체 개수
중에서 hitTime과 layerNum이 순
서대로 정렬되지 않은 경우



BS/(non-zero event num)

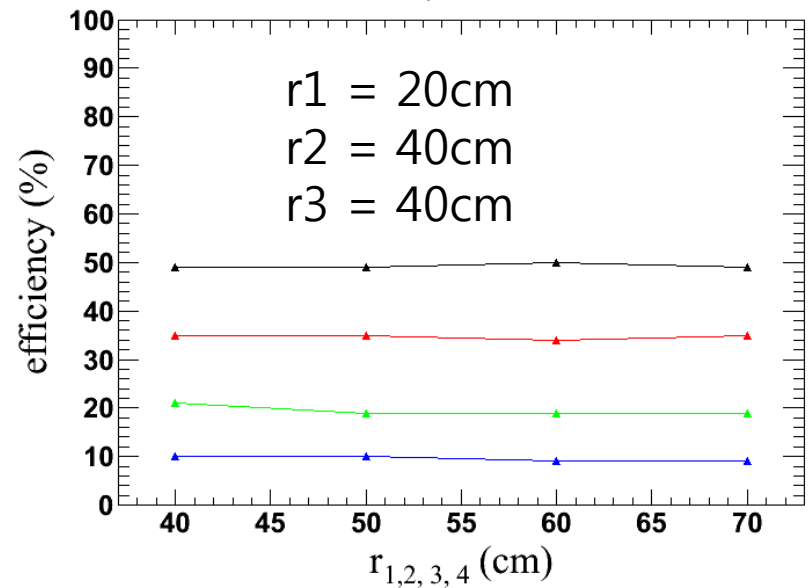
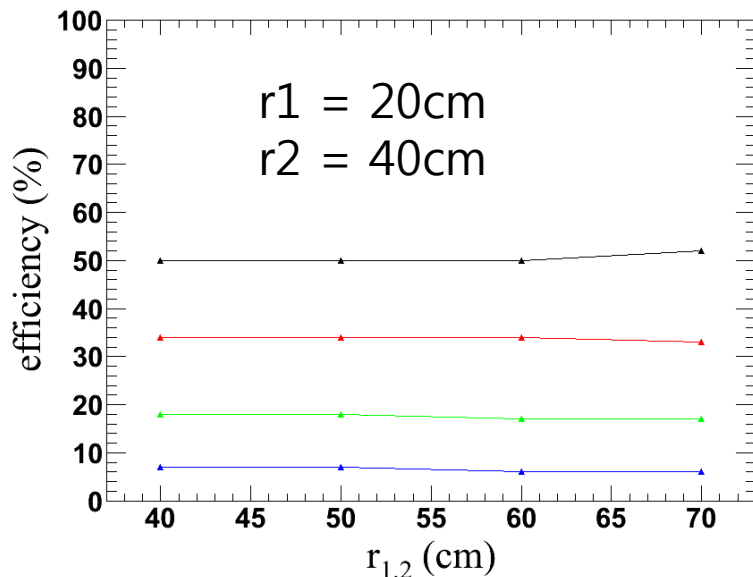
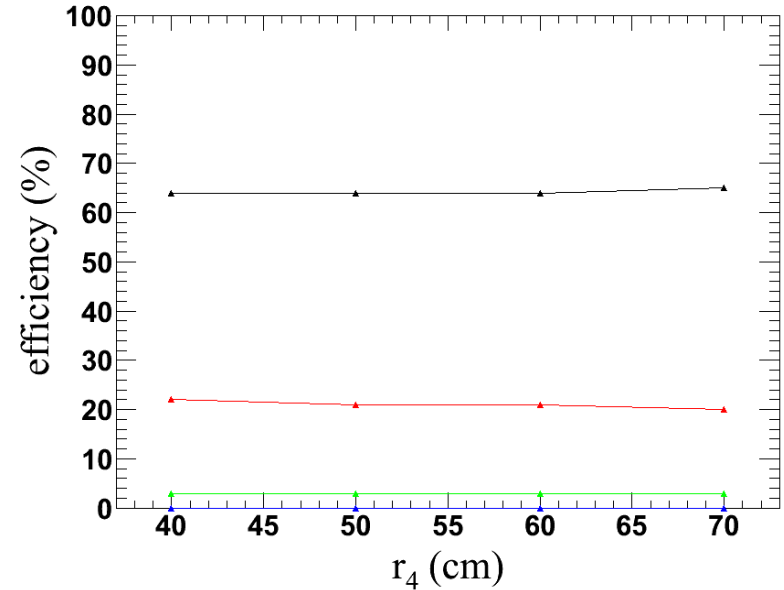
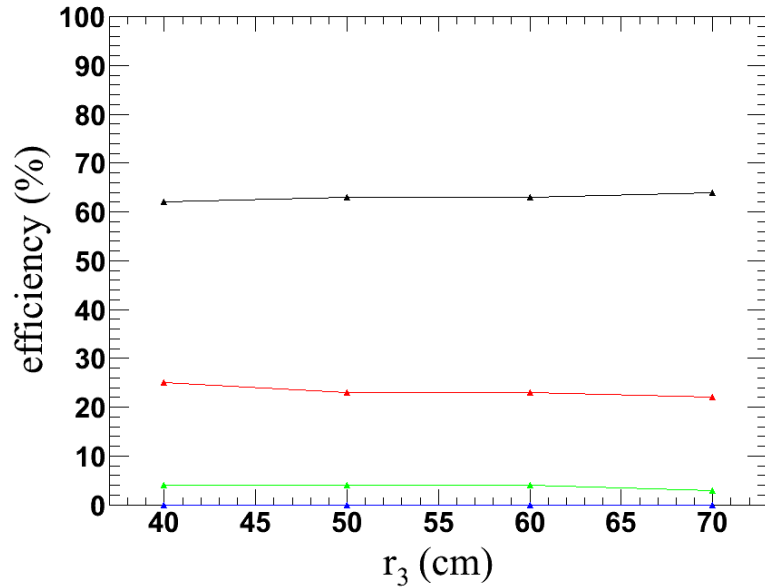
: 각 event당 한 번이라도 hitTime
과 layerNum이 순서대로 정렬되
지 않은 경우
-> 에너지가 높아질수록 fake rate
이 높아지는 이유?

Geometrical cluster size optimization

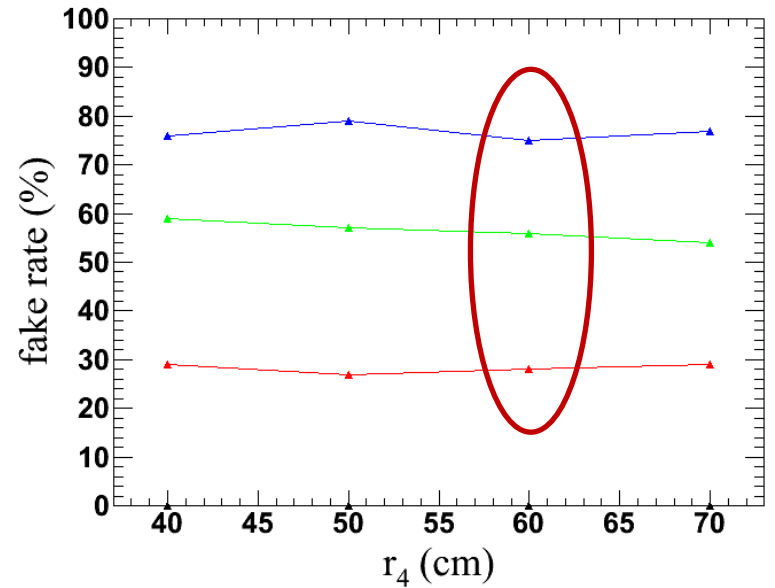
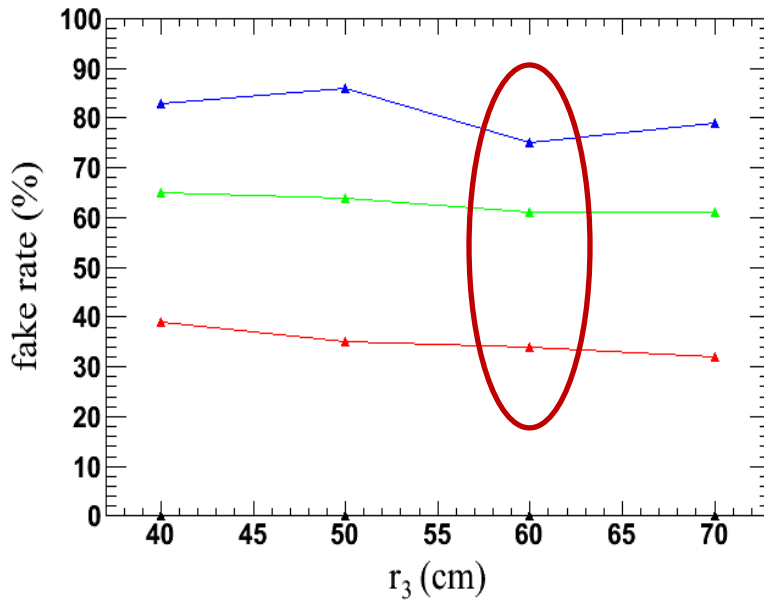
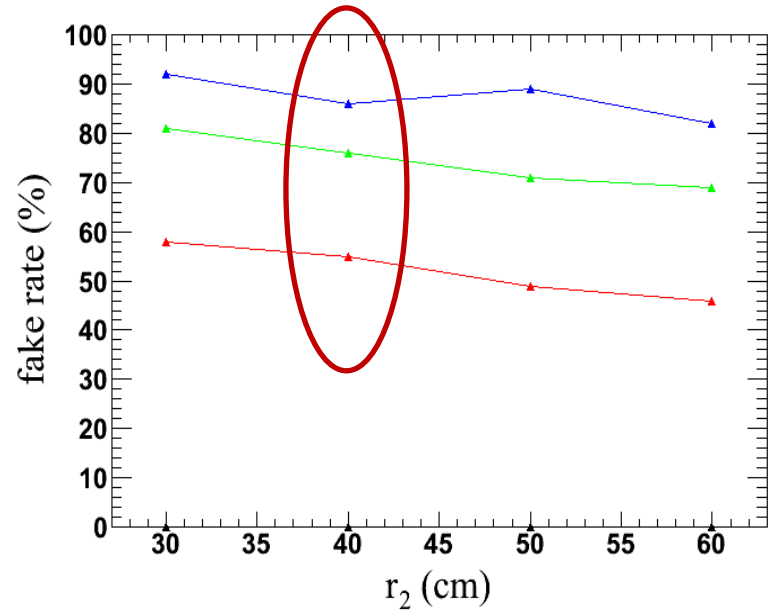
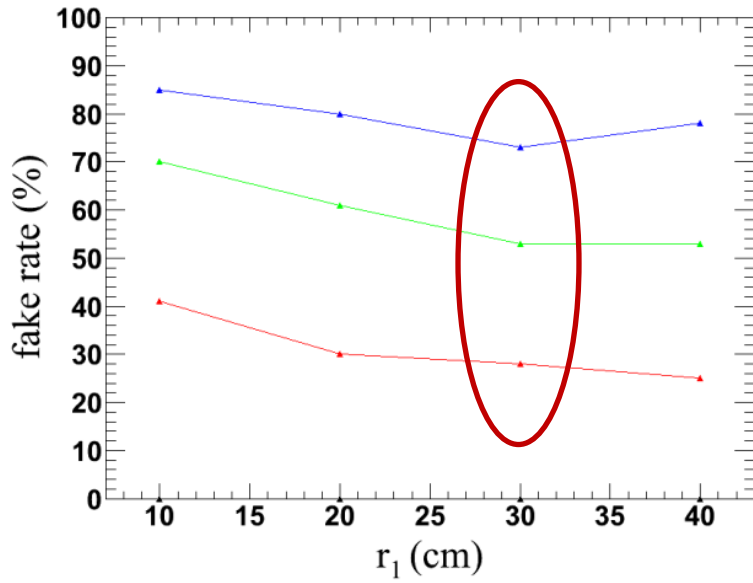


6 stacks, 60cm gap, 10 MeV threshold

Geometrical cluster size optimization

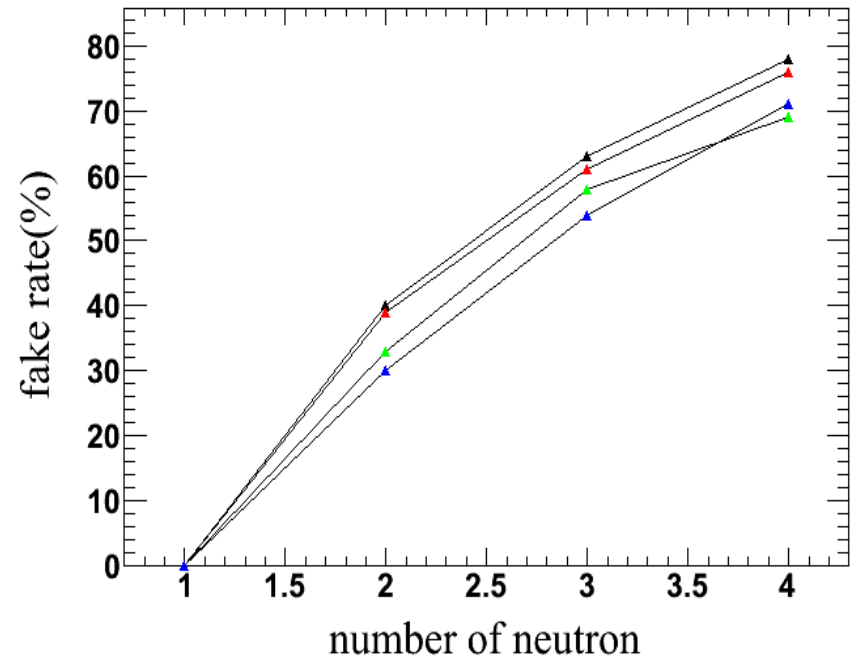
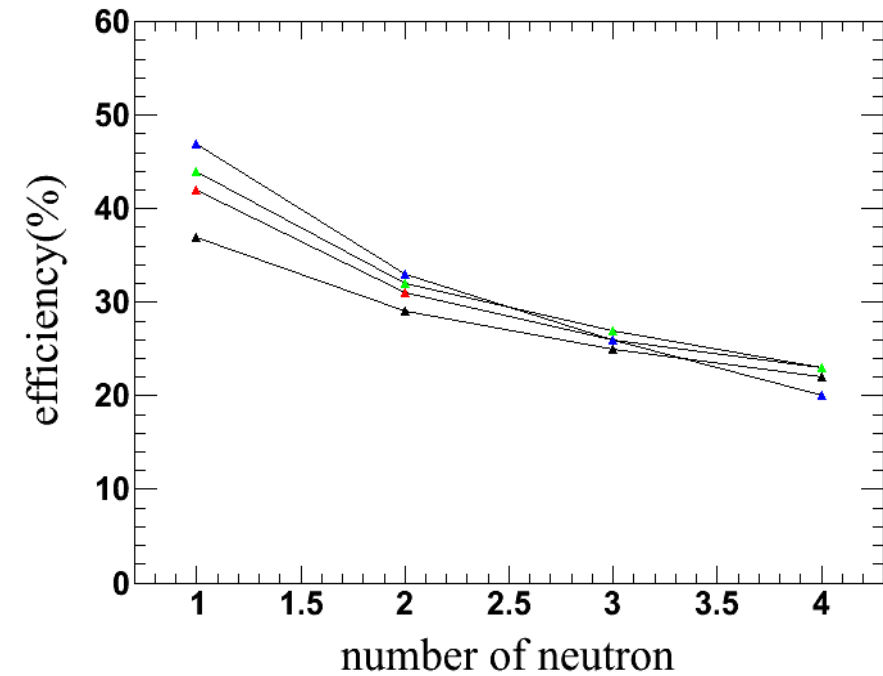


Fake rate



Efficiency and fake rate

r1 : 30cm, r2 : 40cm, r3 : 60cm, r4 : 60cm



Threshold : 3, 5, 7, 10 MeV

