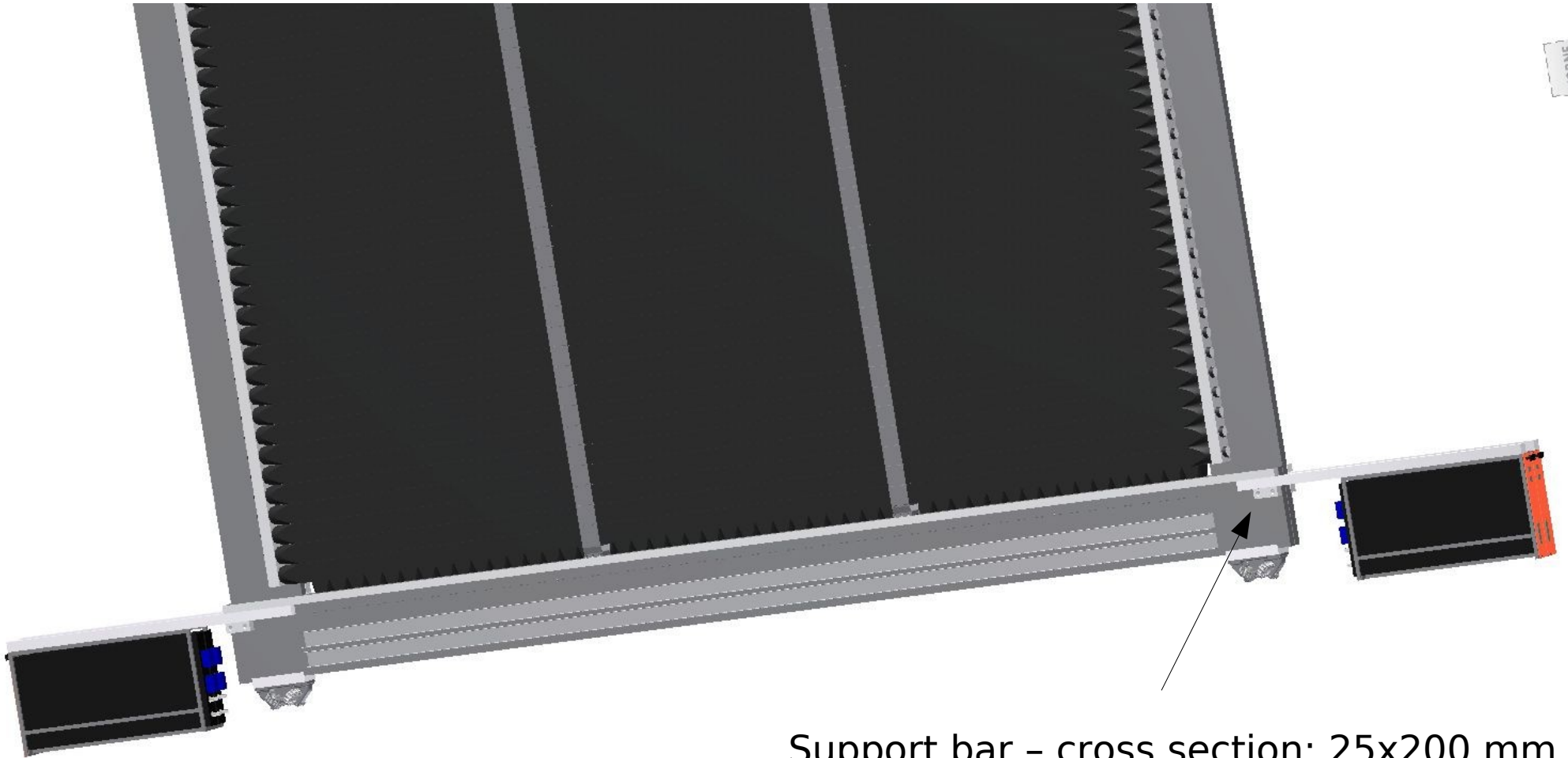


Reactions in the NeuLAND support structure



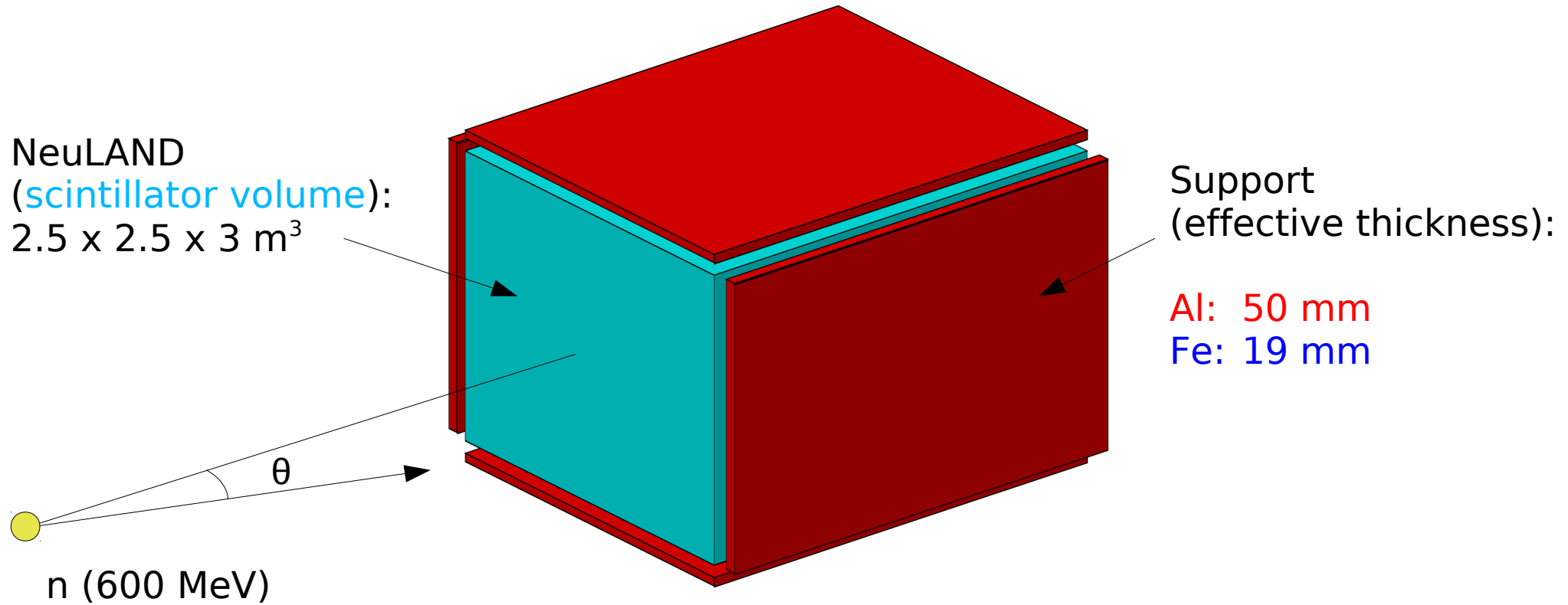
The support bars



Support bar - cross section: 25x200 mm

From Daniel Körper

Estimating 'extra' events



Extra events with hits in NeuLAND

At 10 m distance.

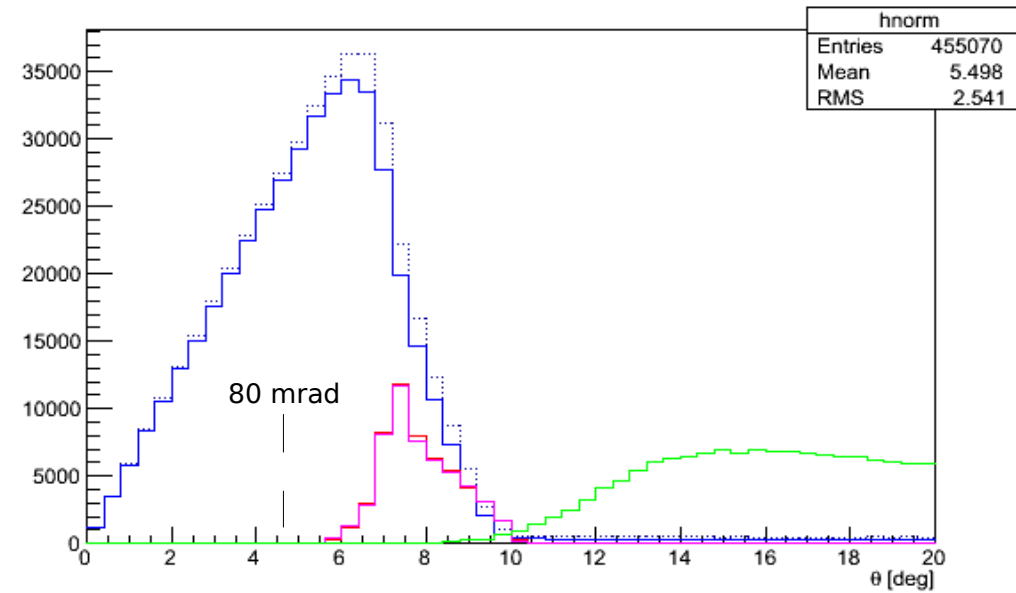
NeuLAND

extra hits, 50 mm Al

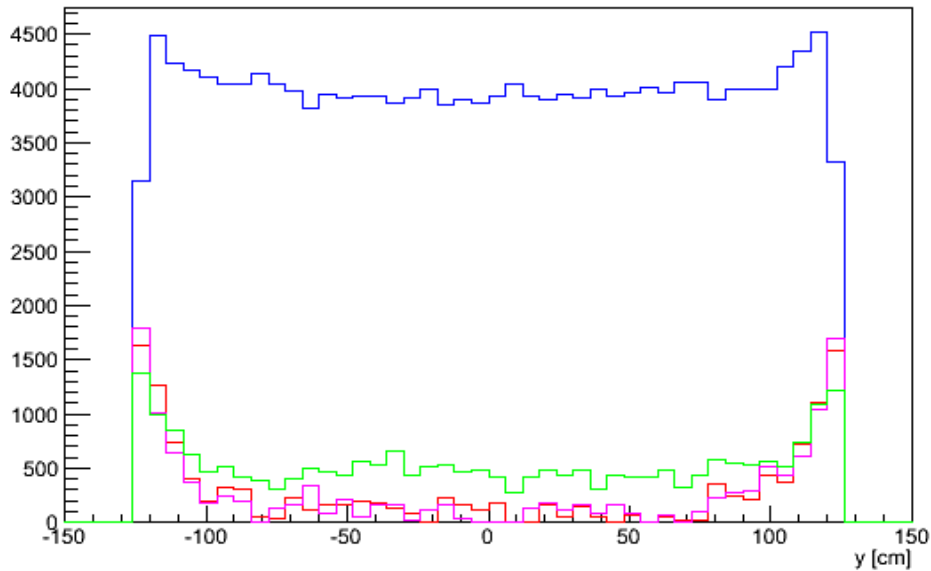
extra hits, 19 mm Fe

extra hits, concrete floor (2 m distance)

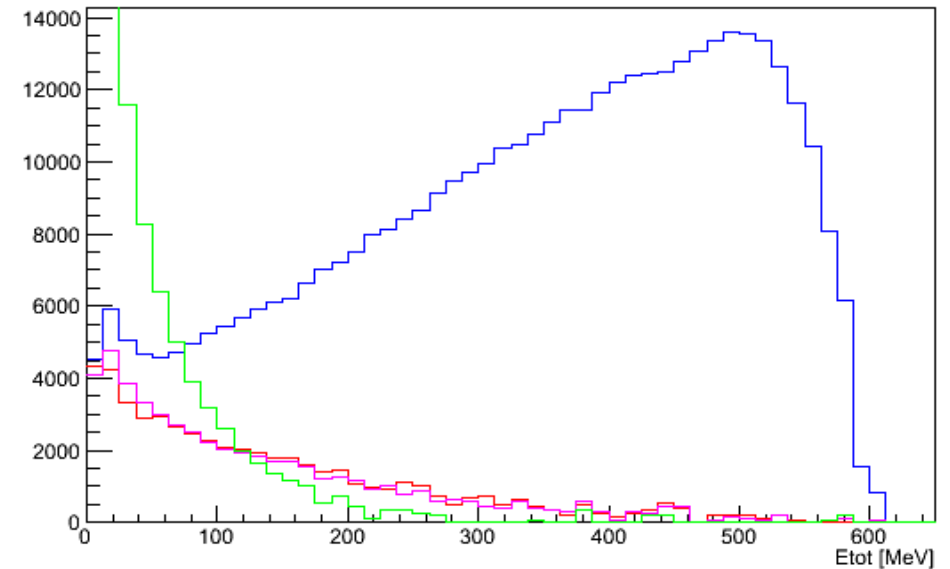
$\text{acos}(\text{gunpz}/\sqrt{\text{gunpx}^2+\text{gunpy}^2+\text{gunpz}^2})^*180/\pi$



TST1y[0] {TST1sumE>5&&abs(TST1x[0])<50}



TST1sumE {TST1sumE>5}



Extra events in NeuLAND @ 35 m

At 35 m distance.

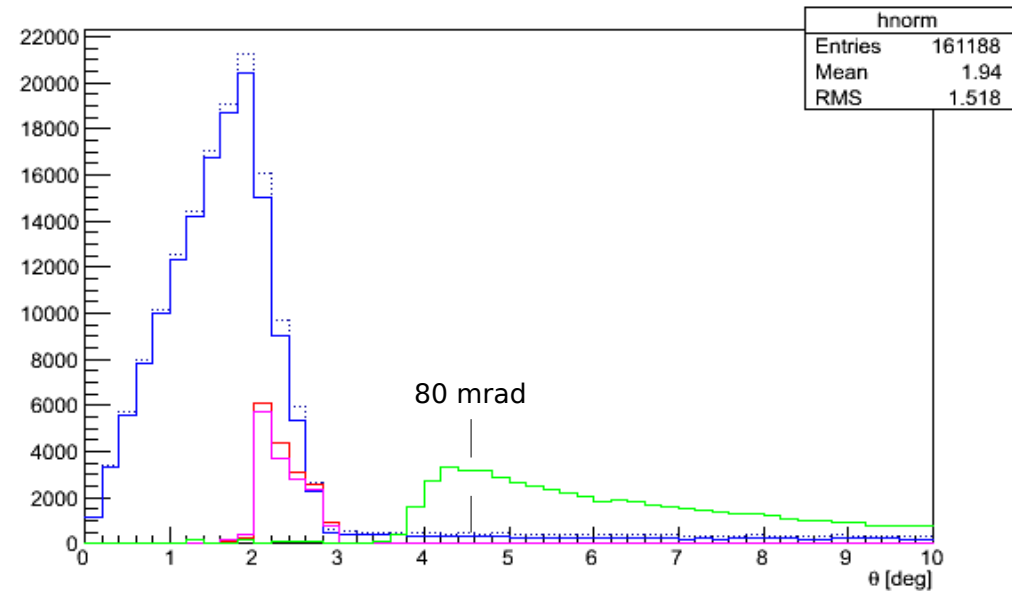
NeuLAND

extra hits, 50 mm Al

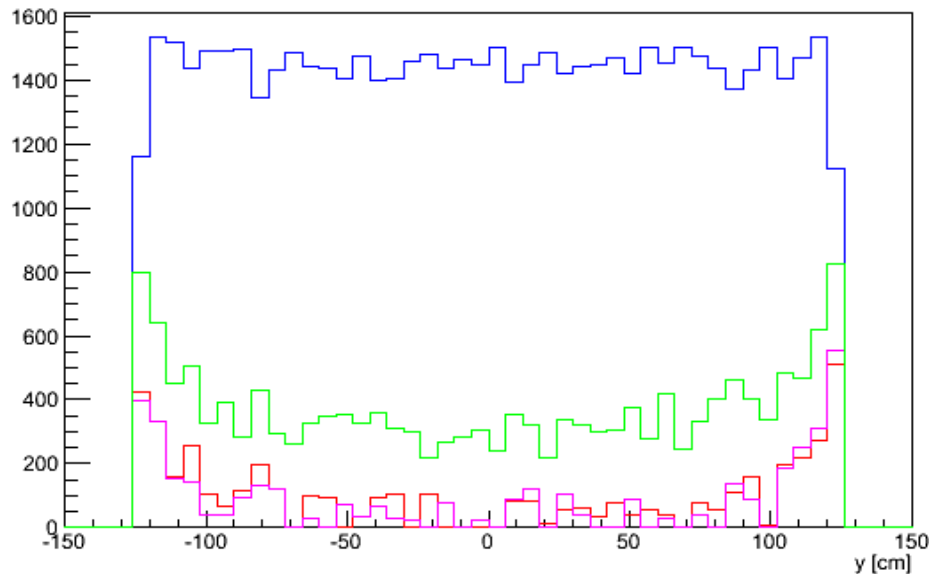
extra hits, 19 mm Fe

extra hits, concrete floor (2 m distance)

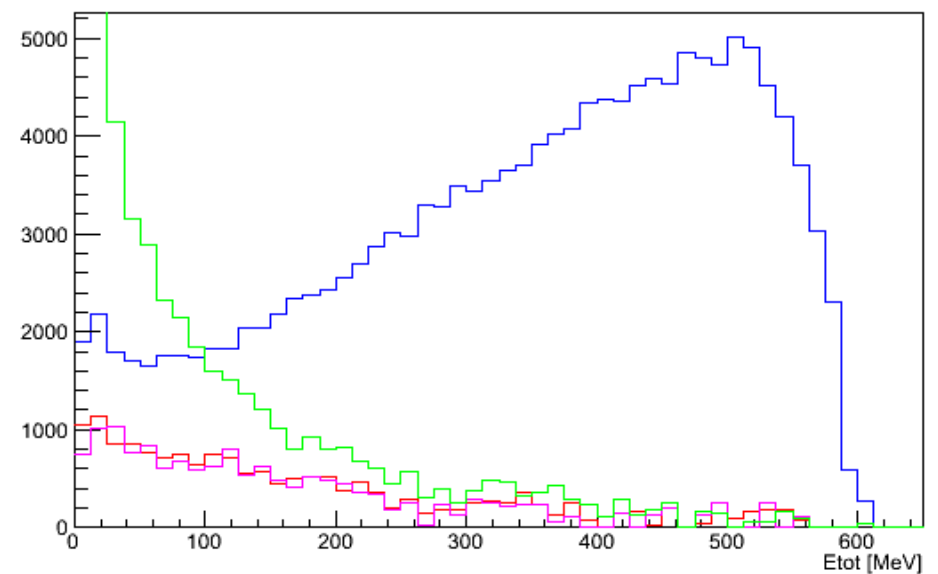
$\text{acos}(\text{gunpz}/\sqrt{\text{gunpx}^2+\text{gunpy}^2+\text{gunpz}^2})^*180/\pi$



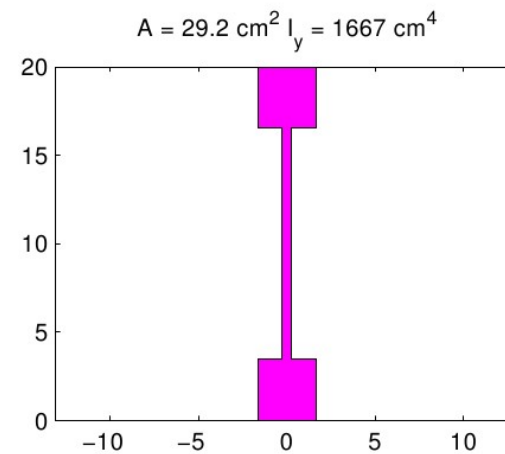
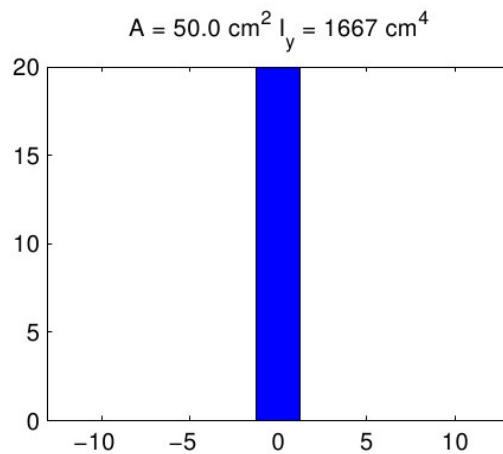
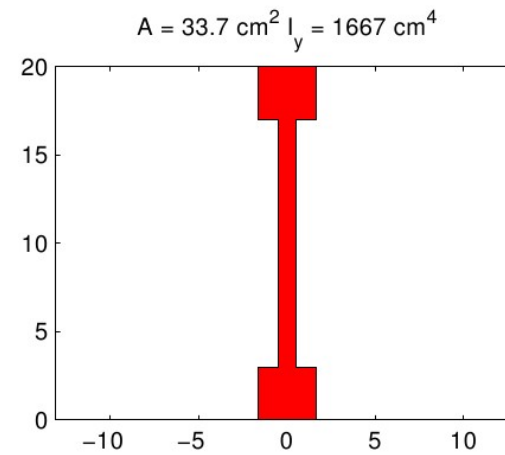
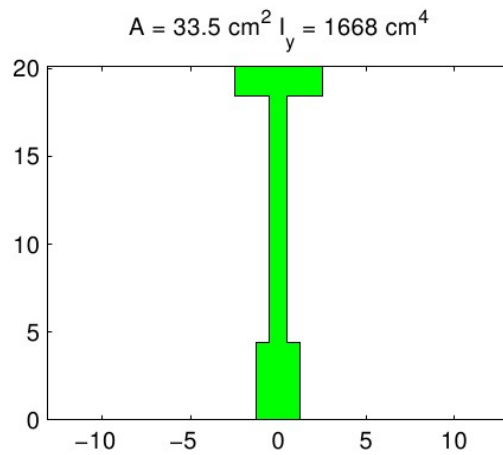
TST1y[0] {TST1sumE>5&&abs(TST1x[0])<50}



TST1sumE {TST1sumE>5}



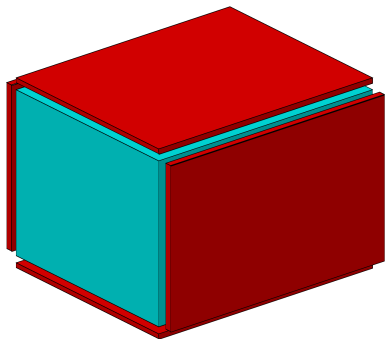
Same I_y - less material



Finale!



If a hat is enough,
do not put a helmet
on NeuLAND...



Thank you!