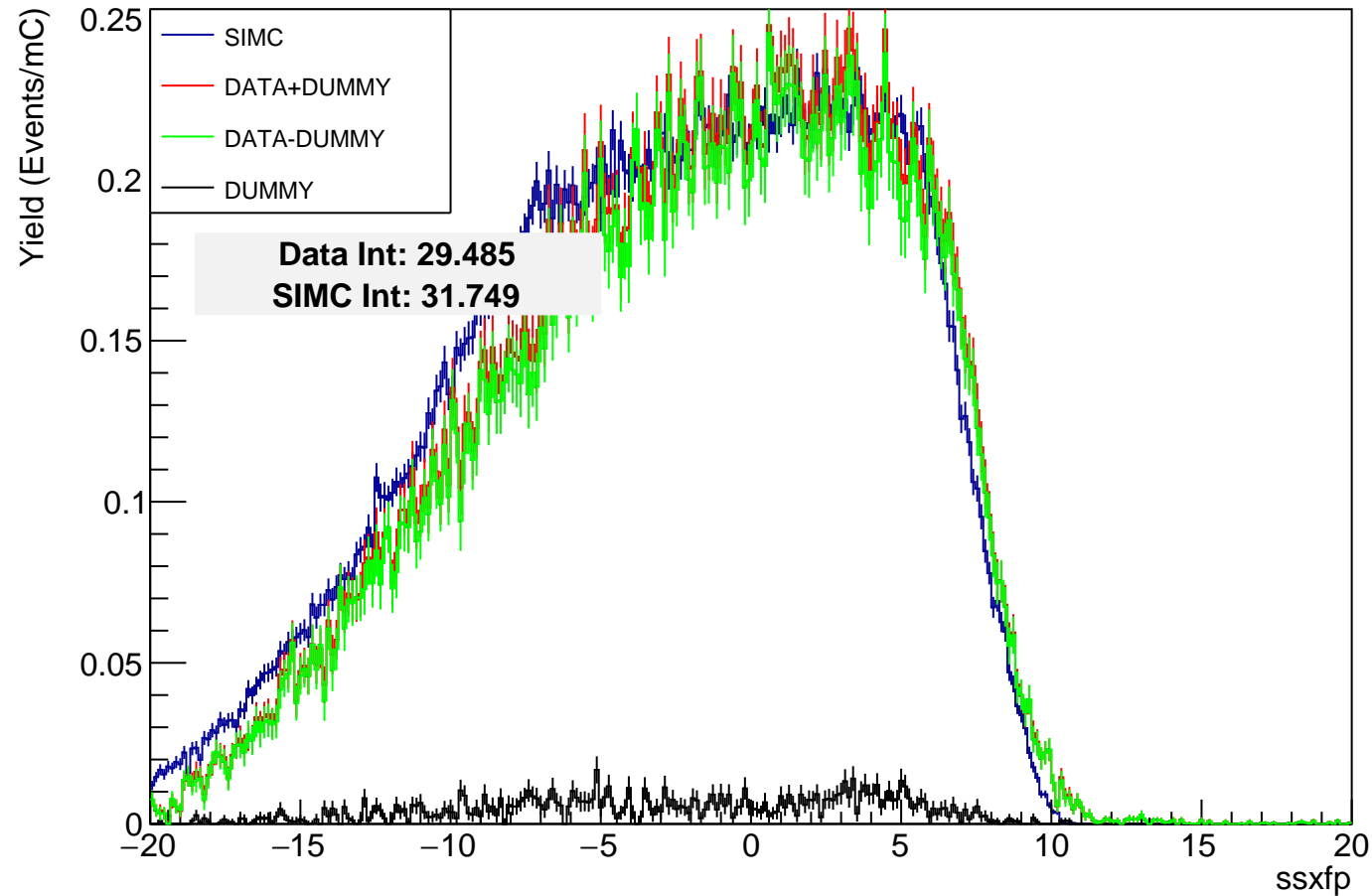


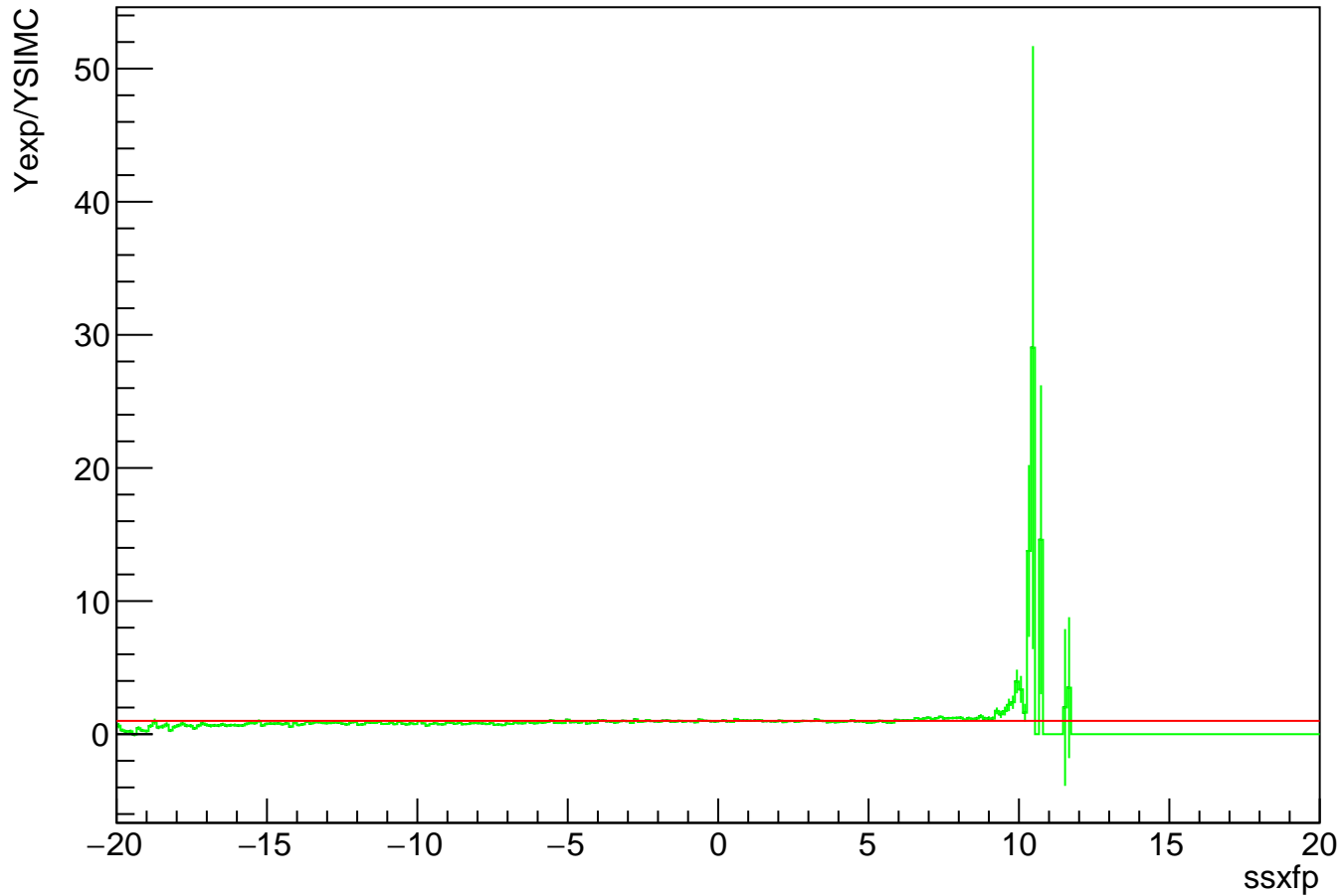
Analysis update: April 06, 2022

- The simulation study of the **4.9 GeV KaonLT data** has completed.
- This energy has **left, center** and **right** settings data. All these settings look fine.
- This study shows a very little offset in the MMK plot that I have observed at this energy.
- The **left** setting plots are attached below. SIMC yield is multiplied by an extra factor of **7.0**.

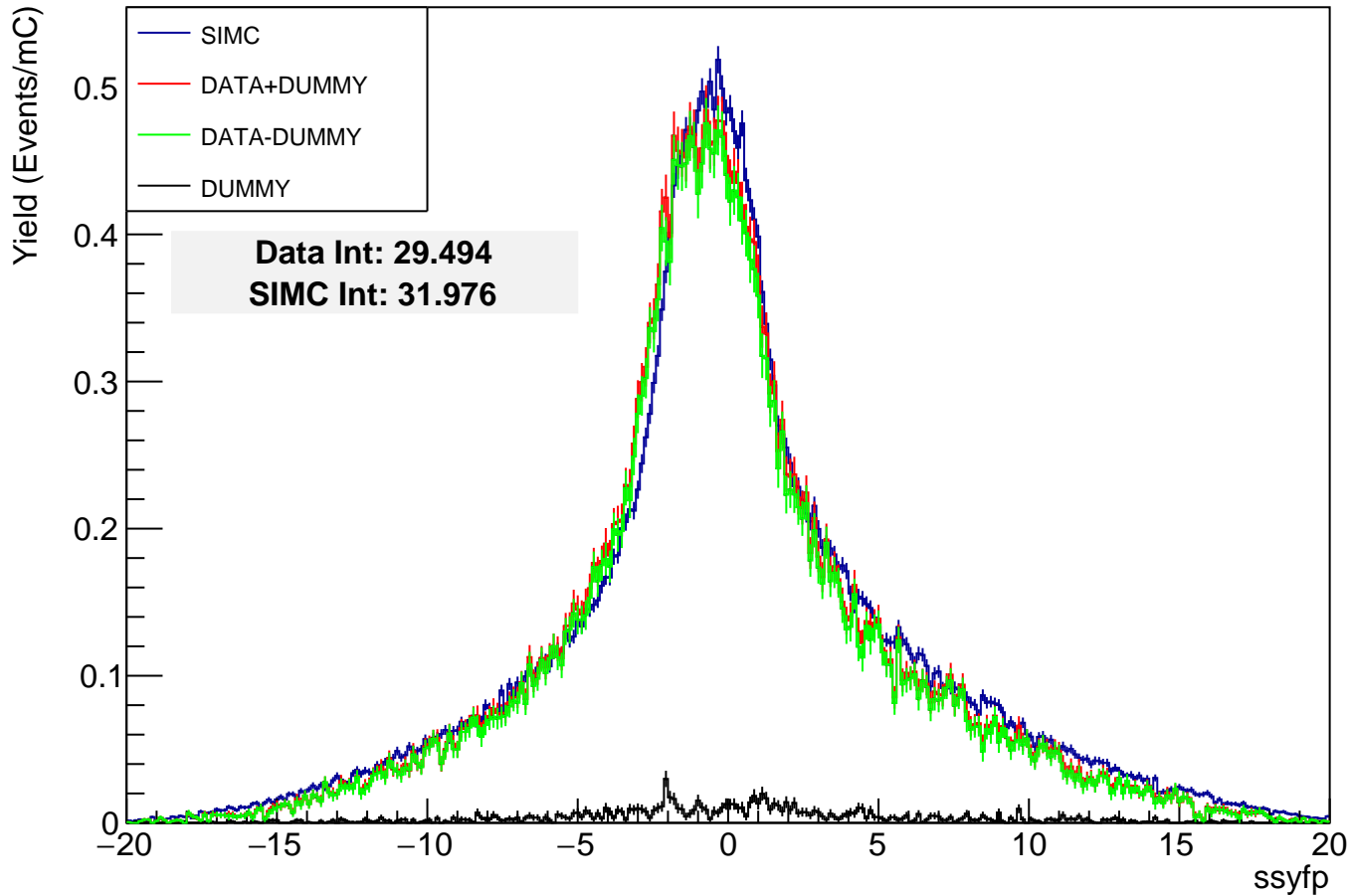
SHMS xfp



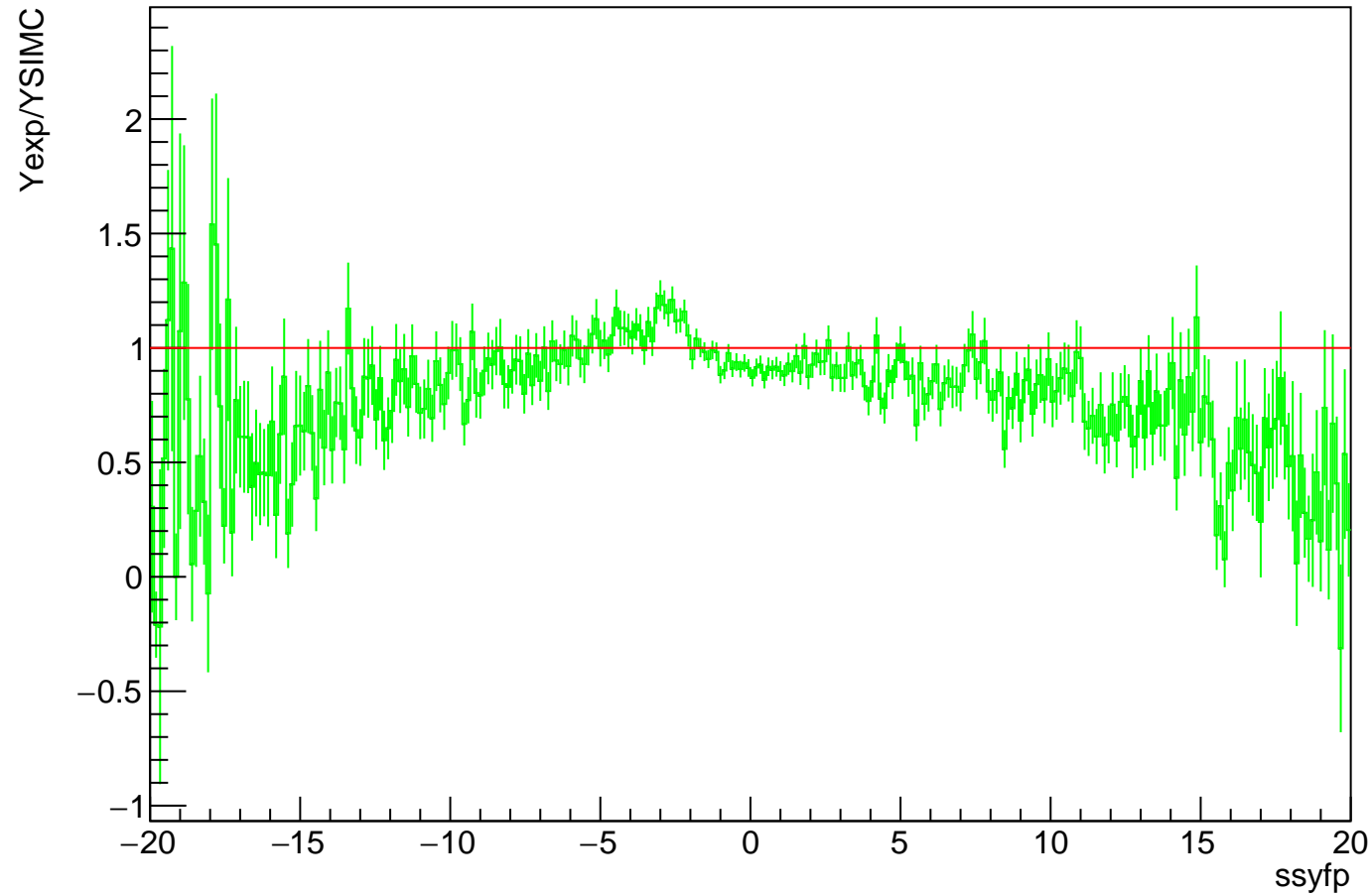
SHMS xfp



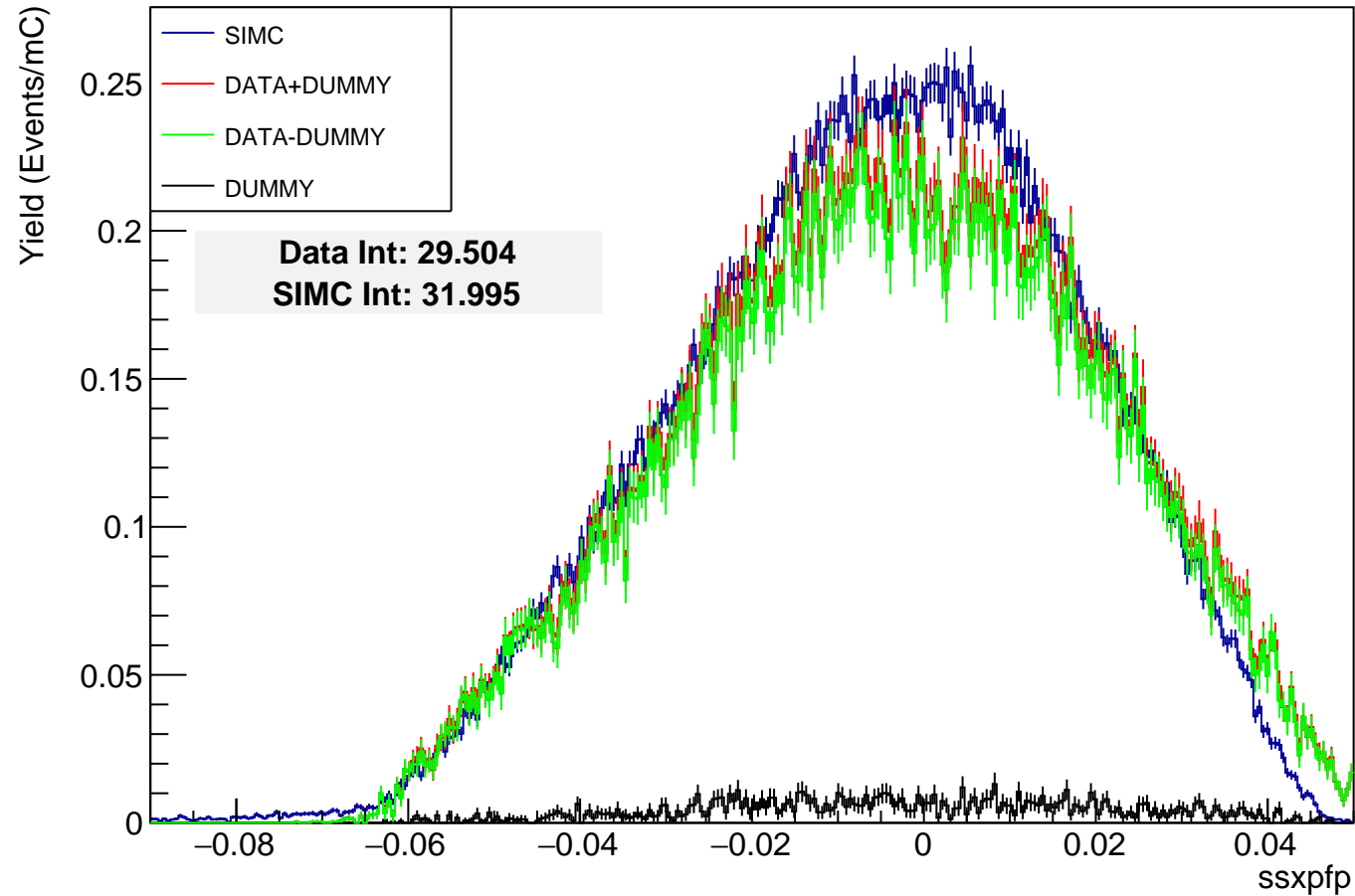
SHMS yfp



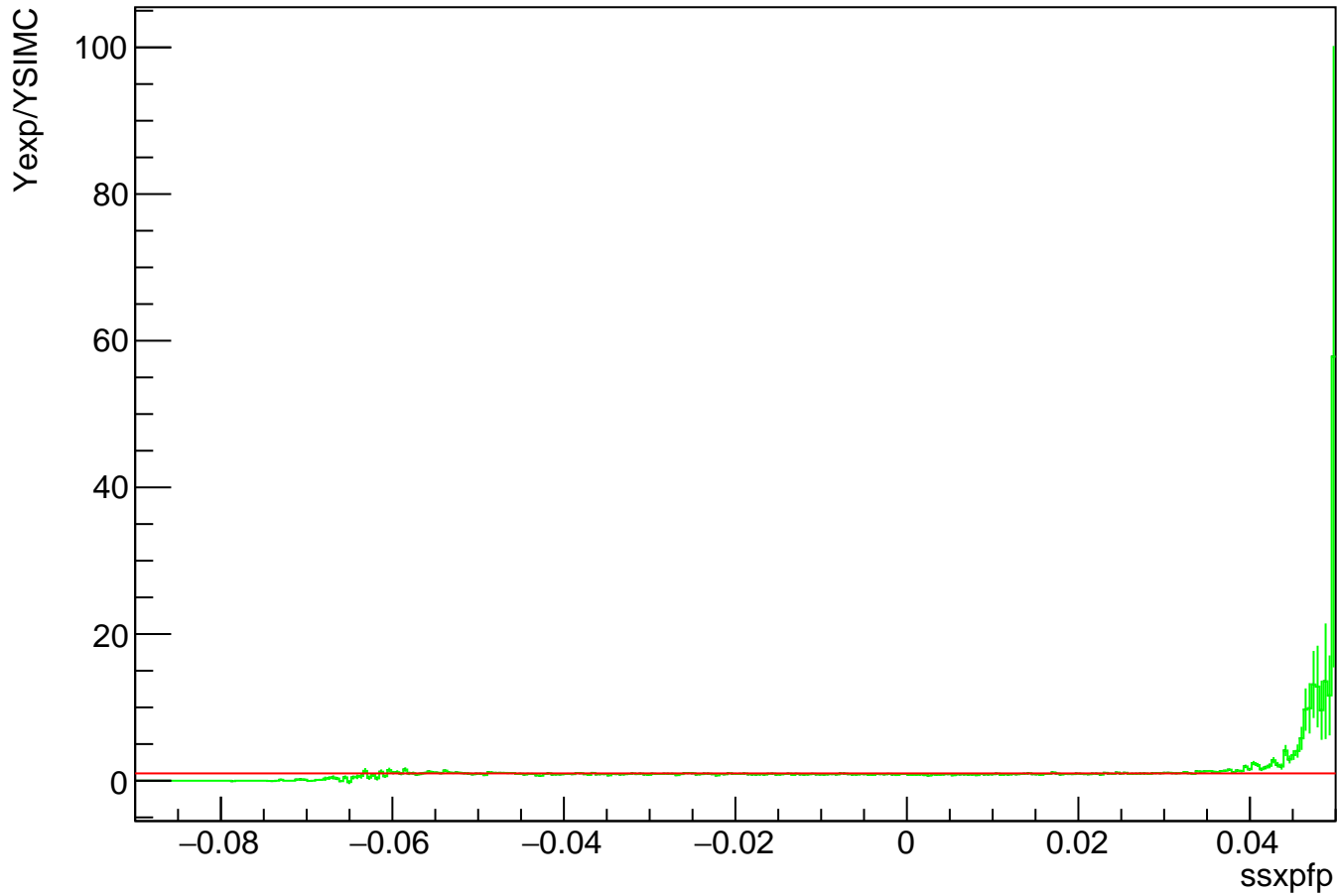
SHMS yfp



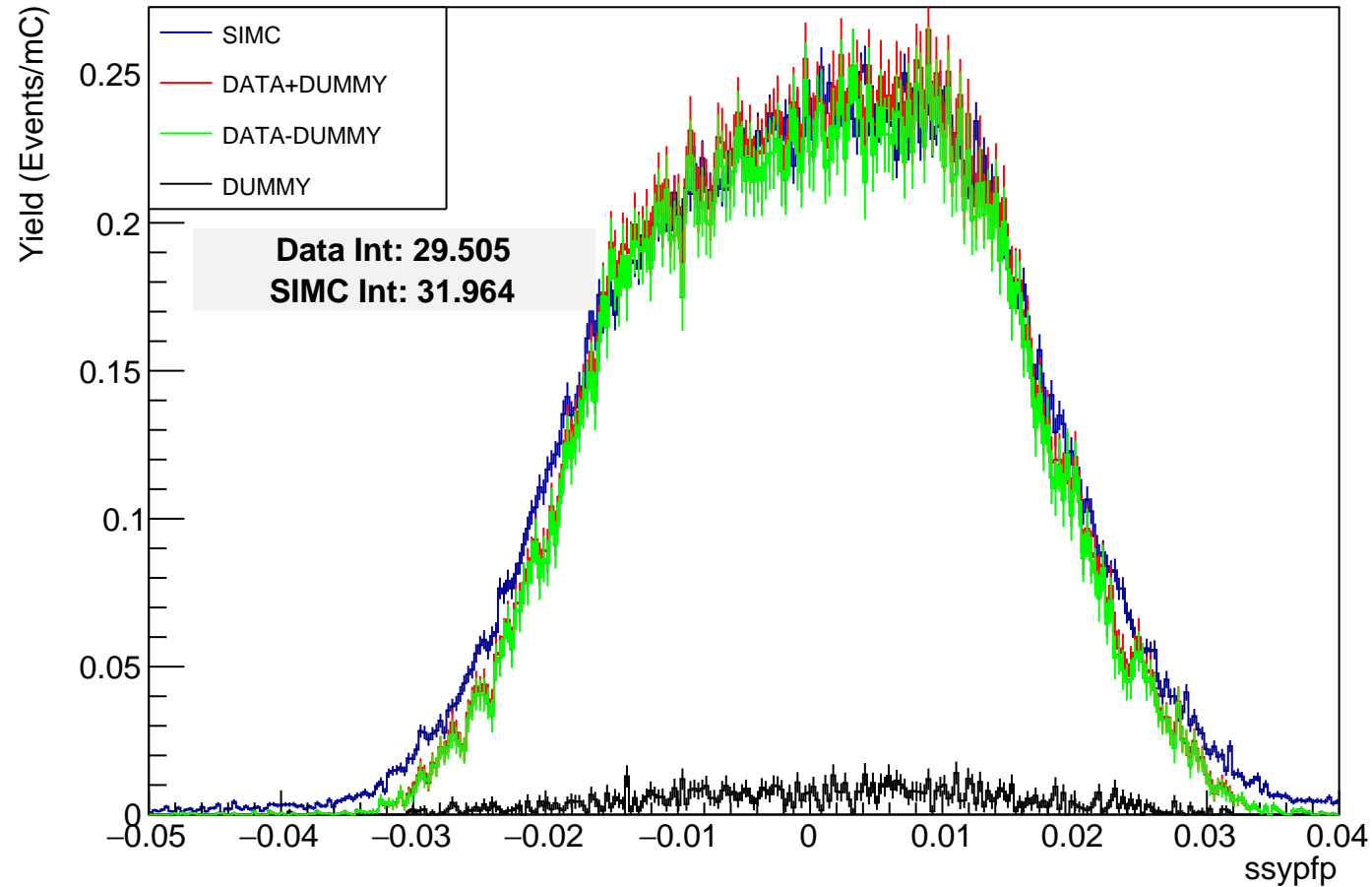
SHMS xfp



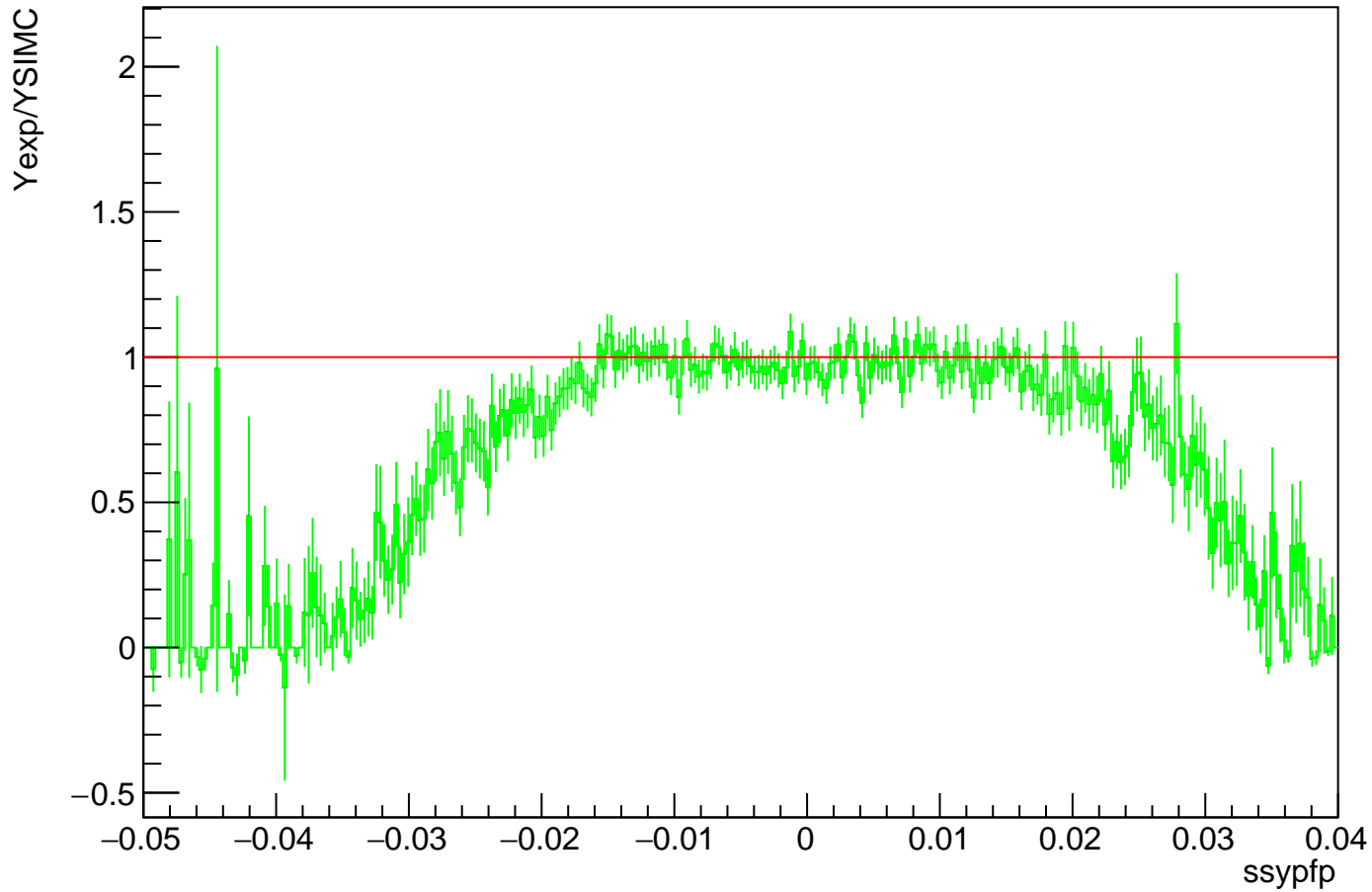
SHMS xpfp



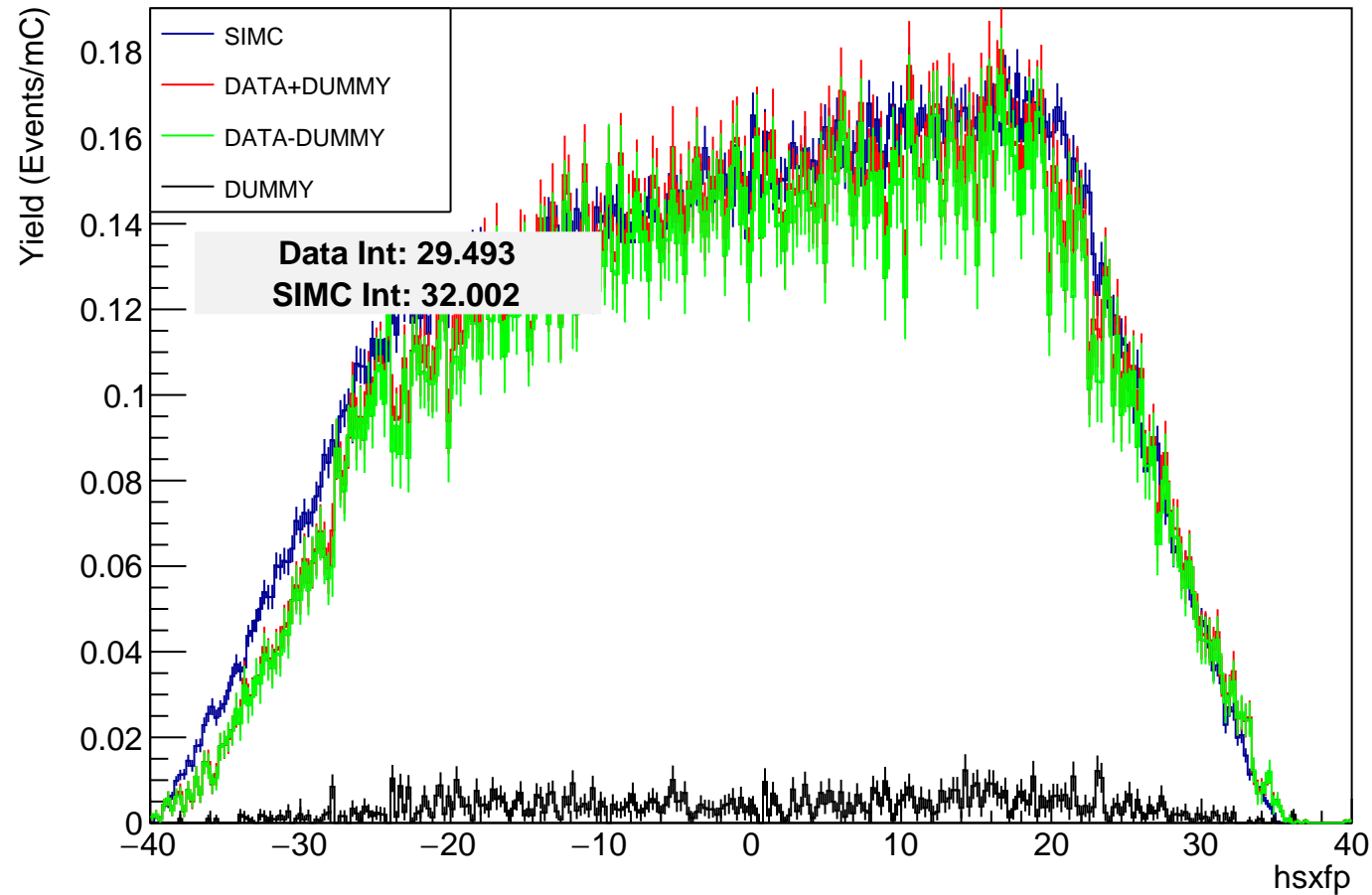
SHMS yfp



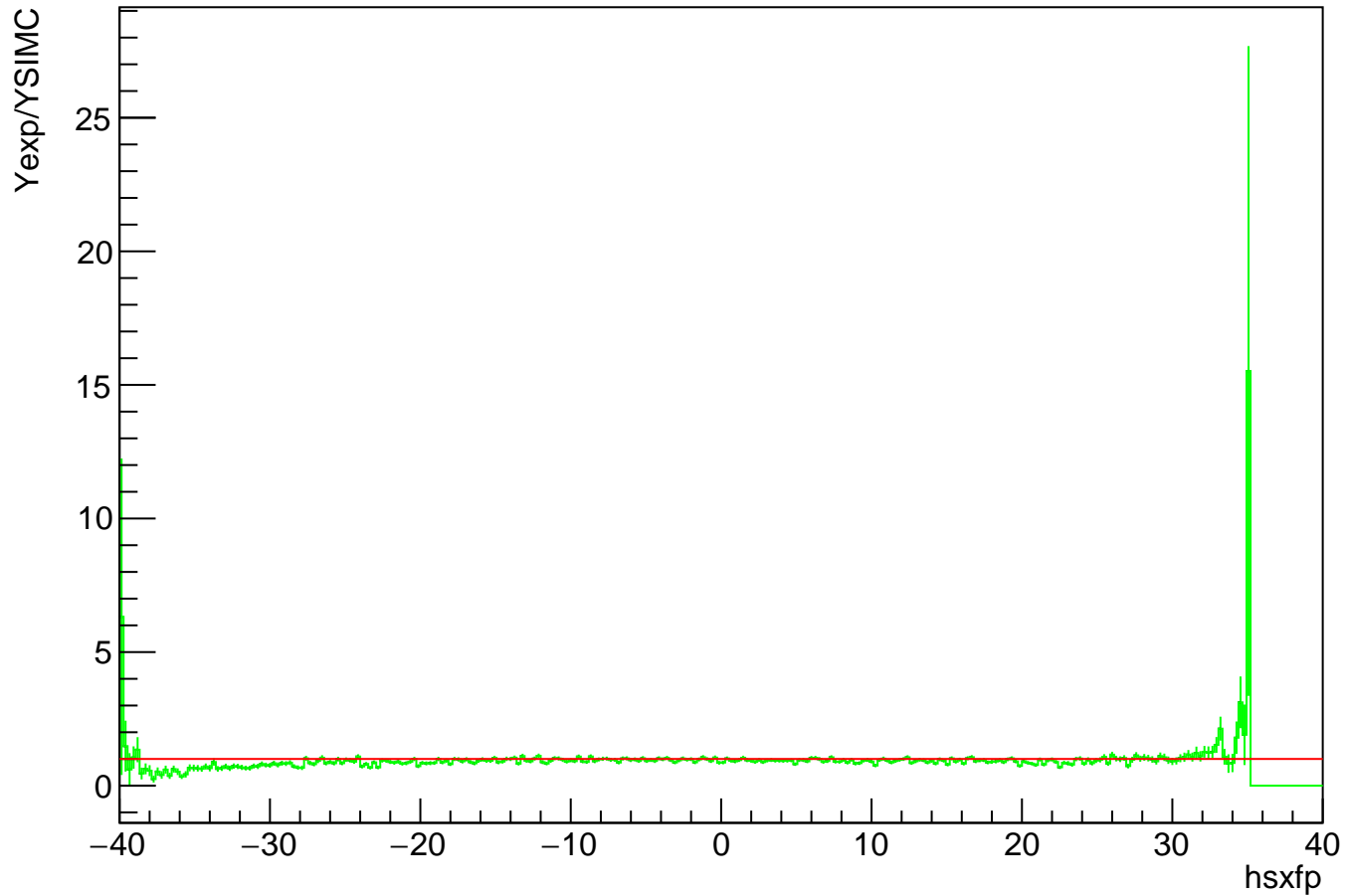
SHMS ypfp



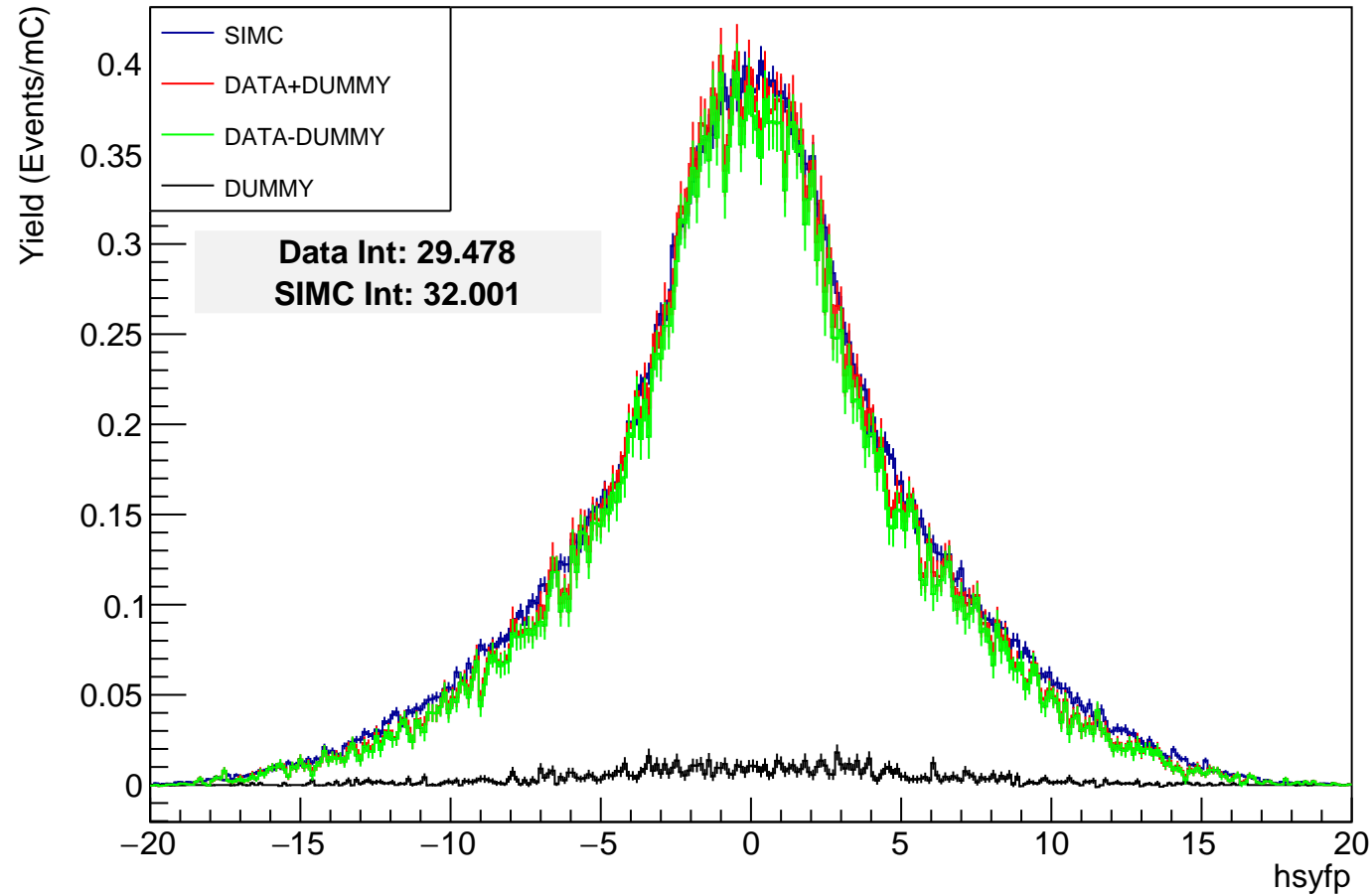
HMS xfp



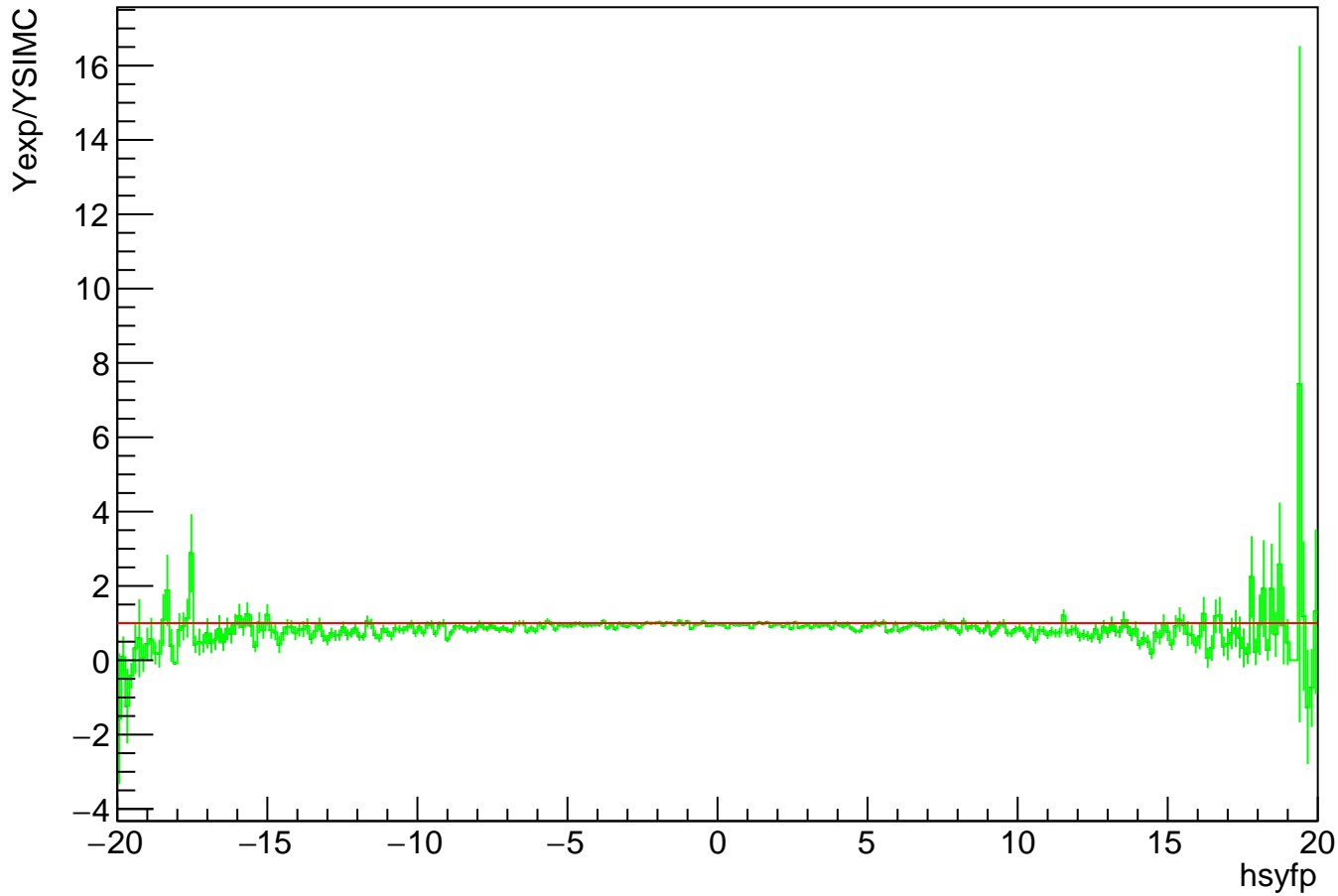
HMS xfp



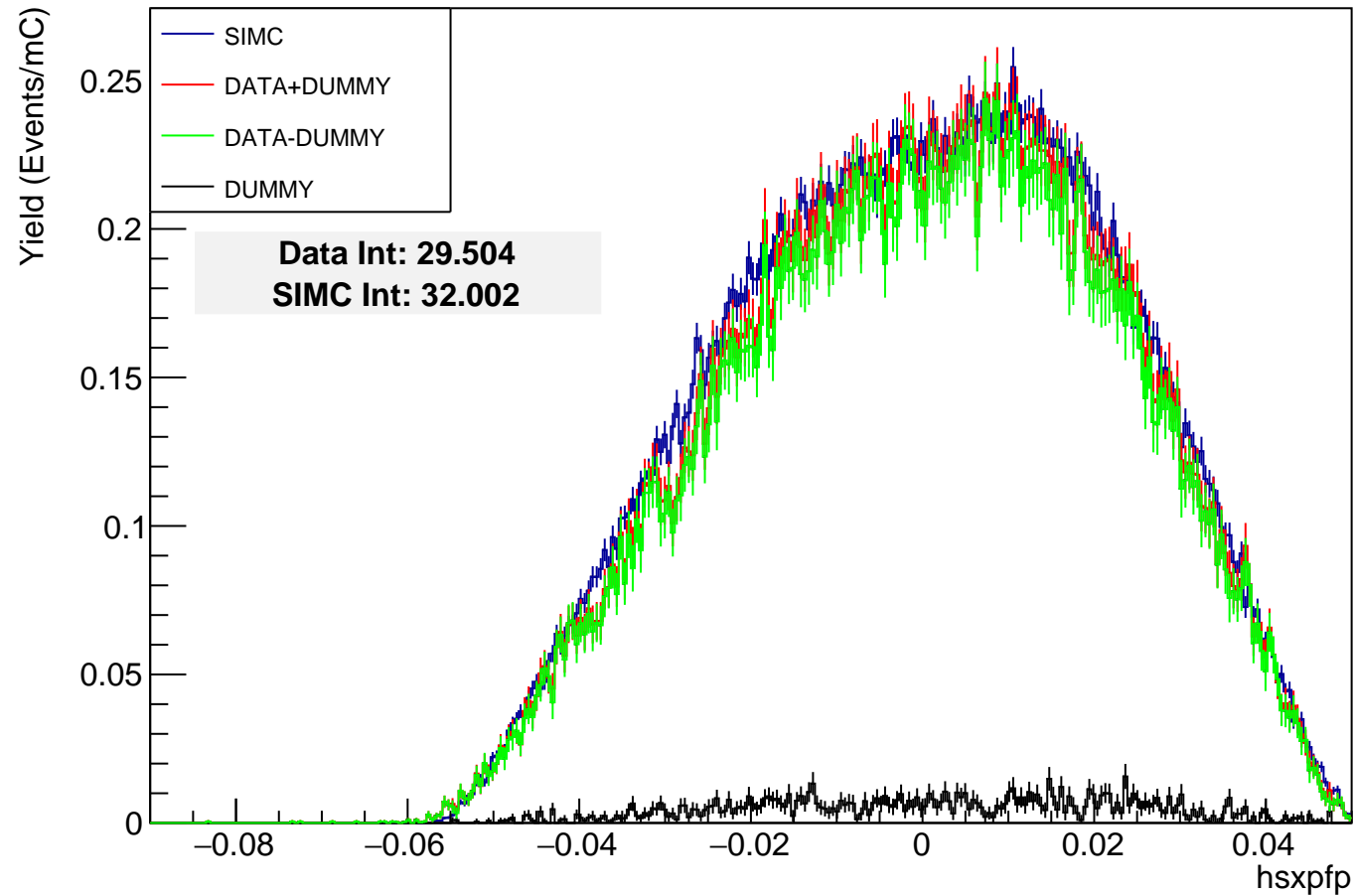
HMS yfp



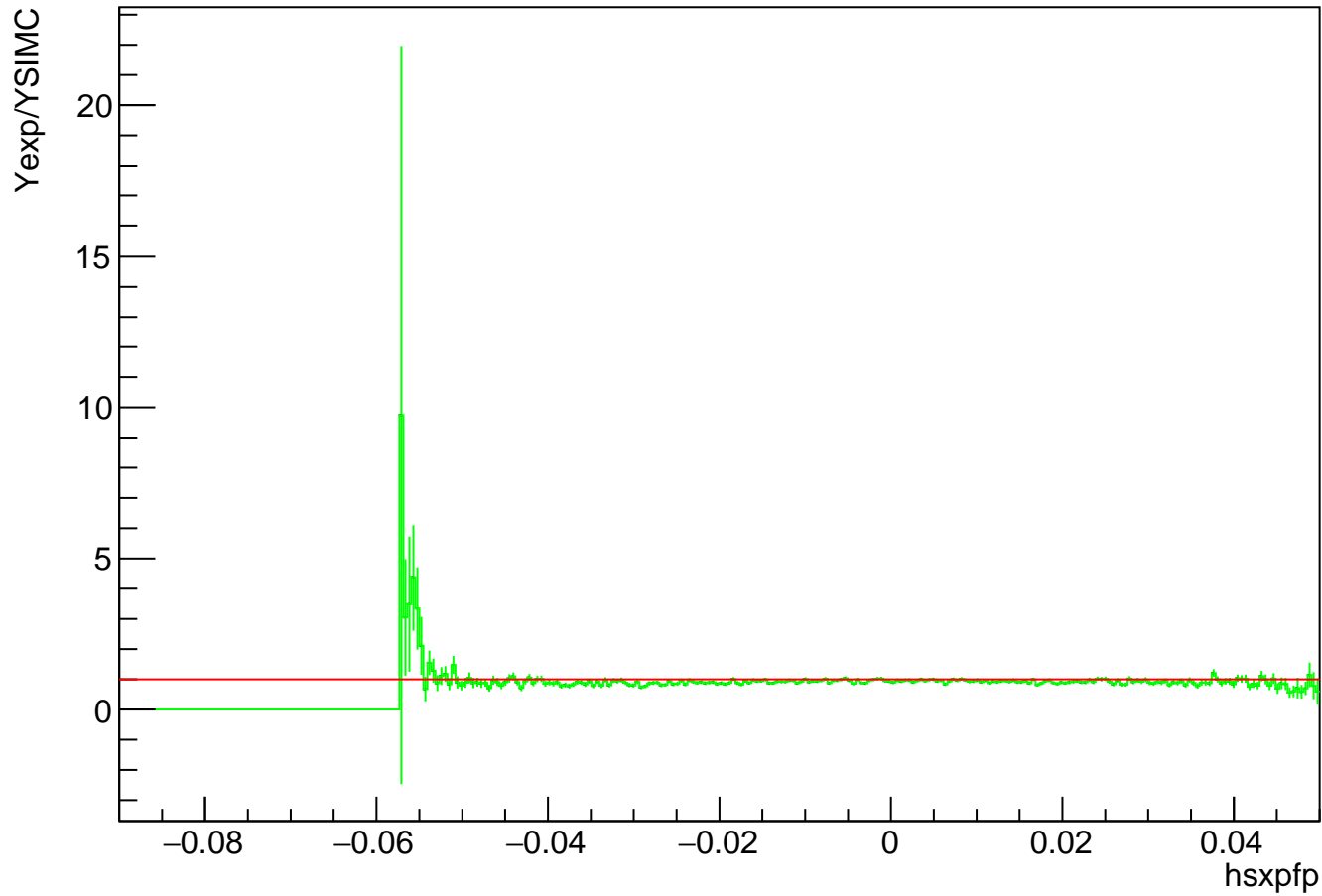
HMS yfp



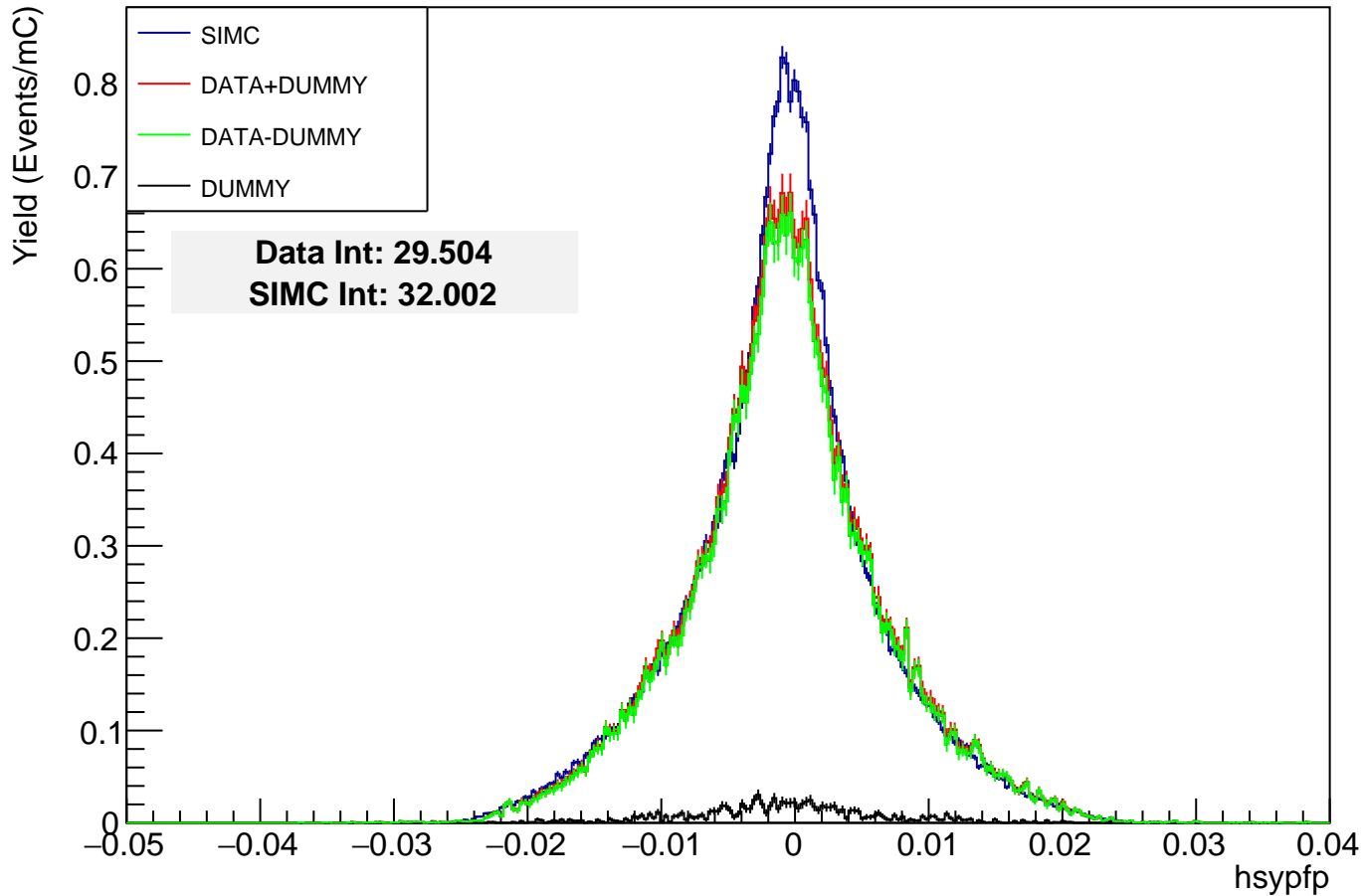
HMS xfp



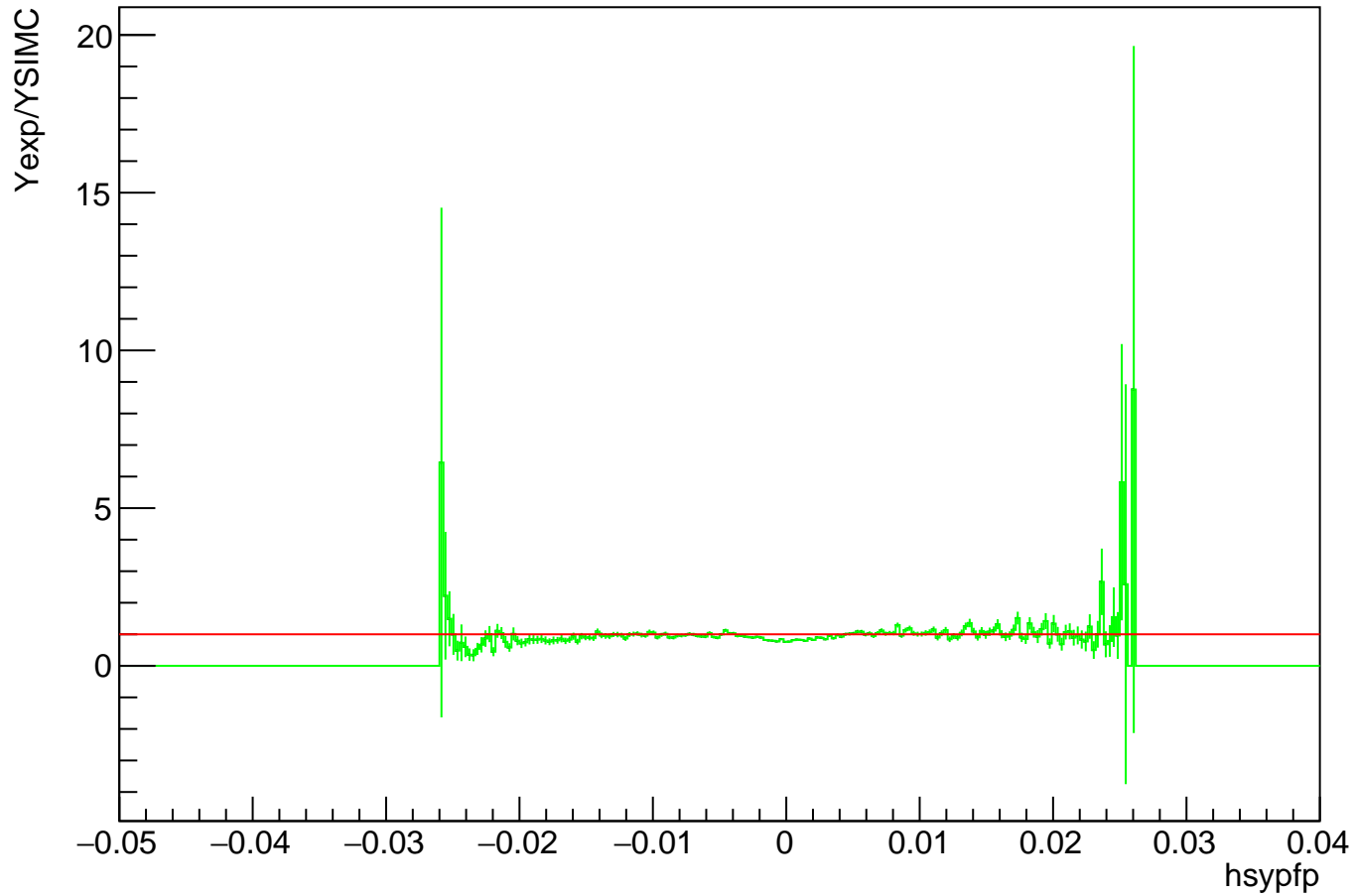
HMS xpfp



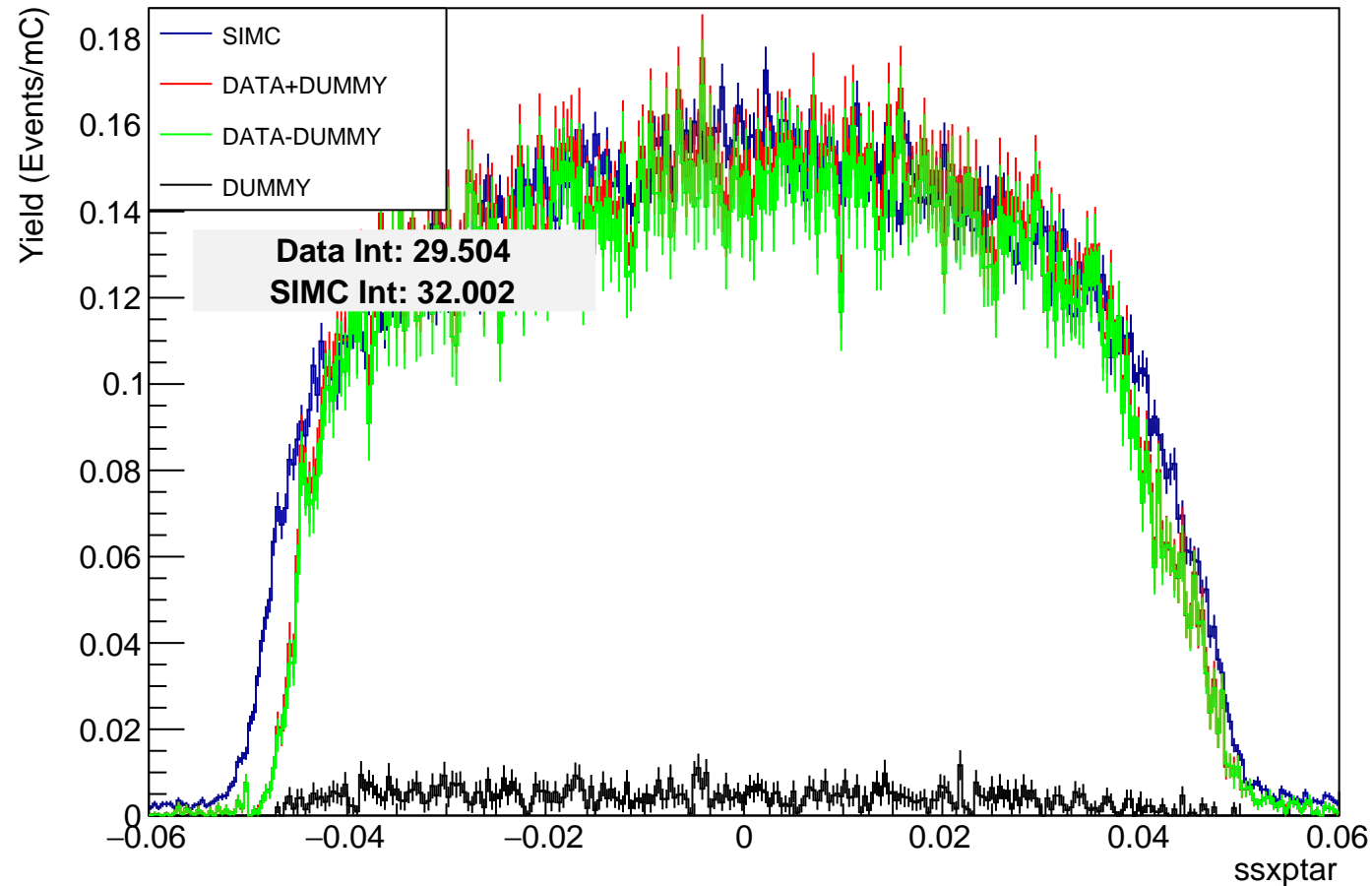
HMS yfpf



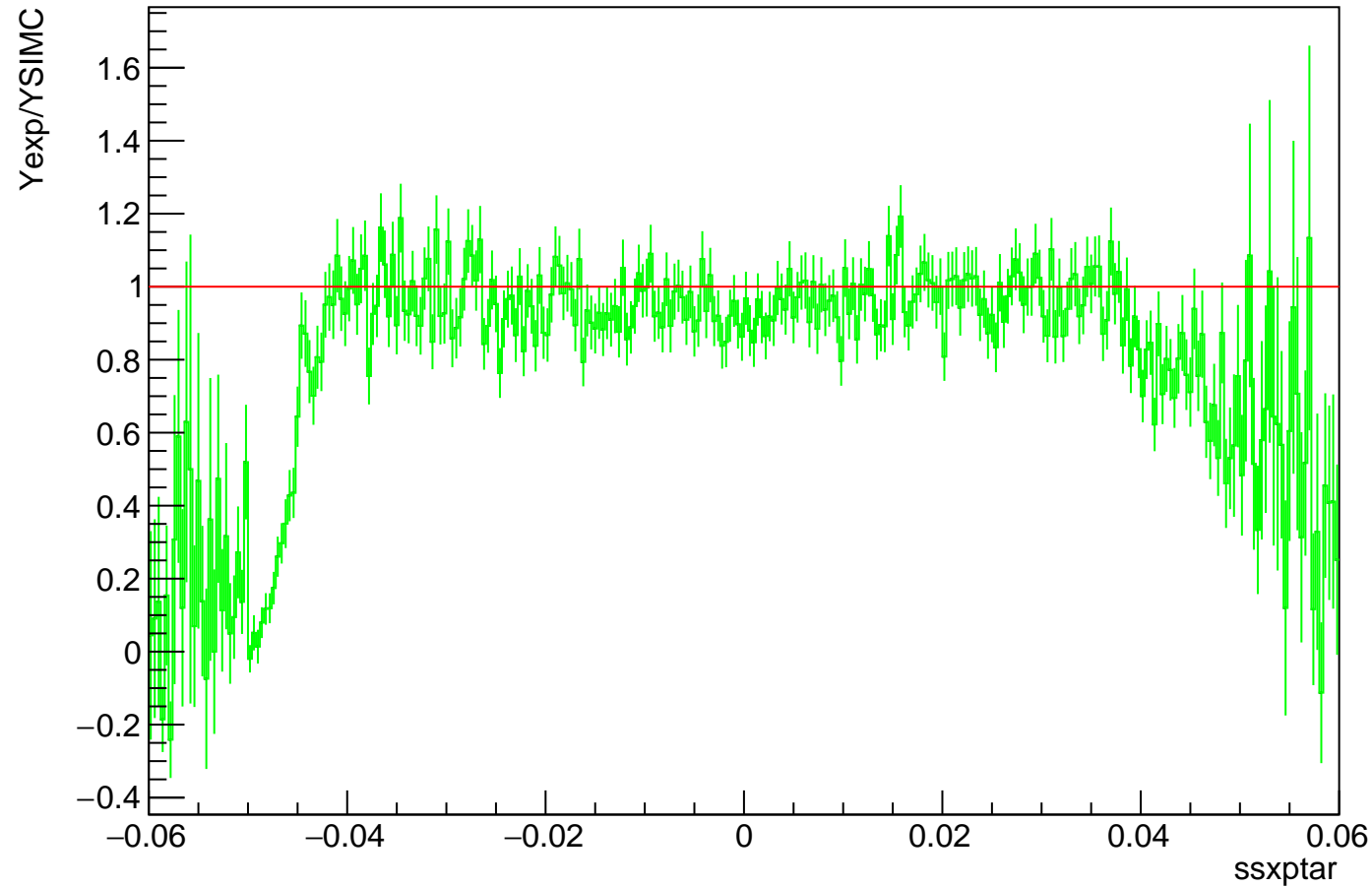
HMS ypfp



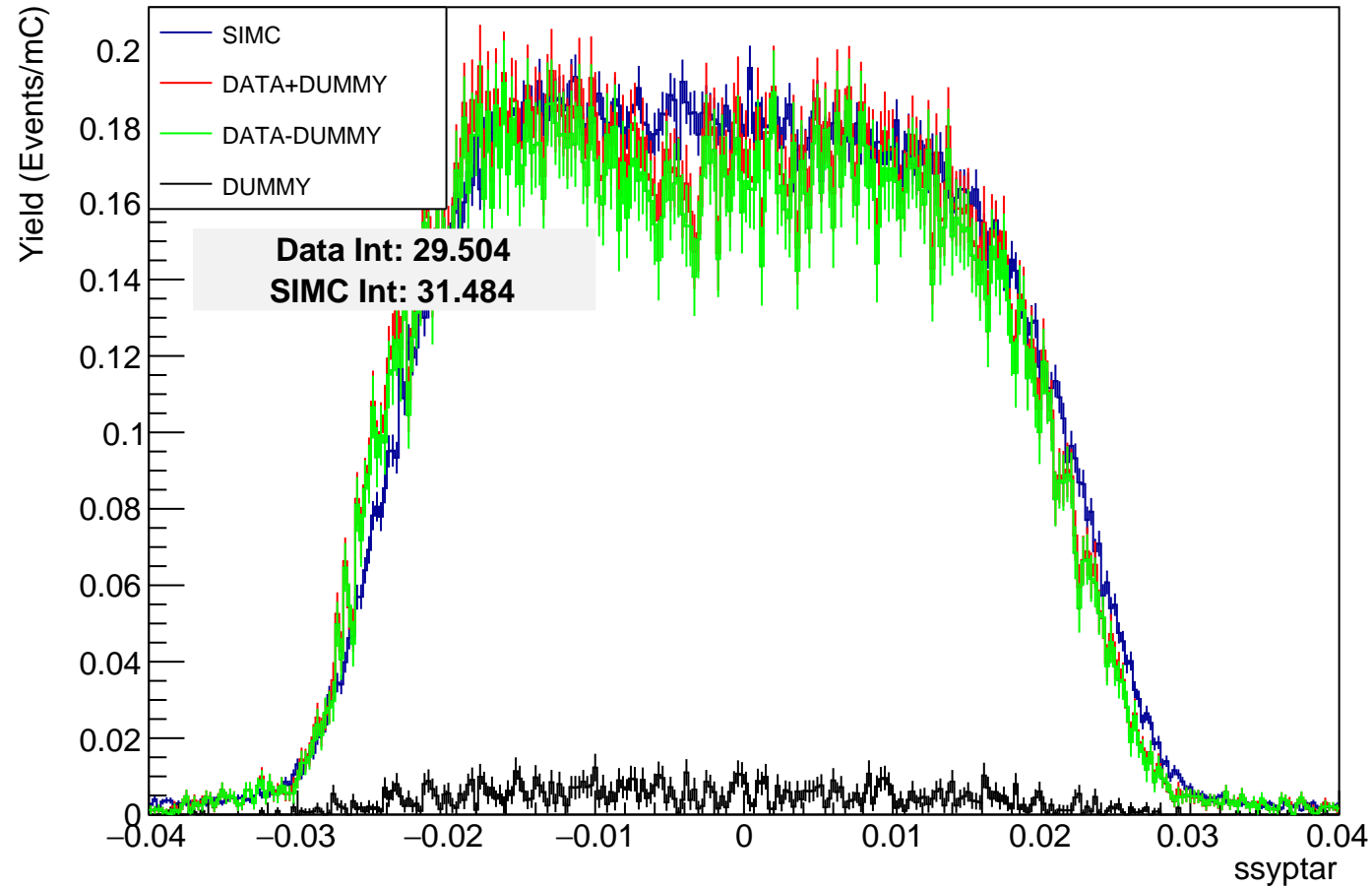
SHMS xptar



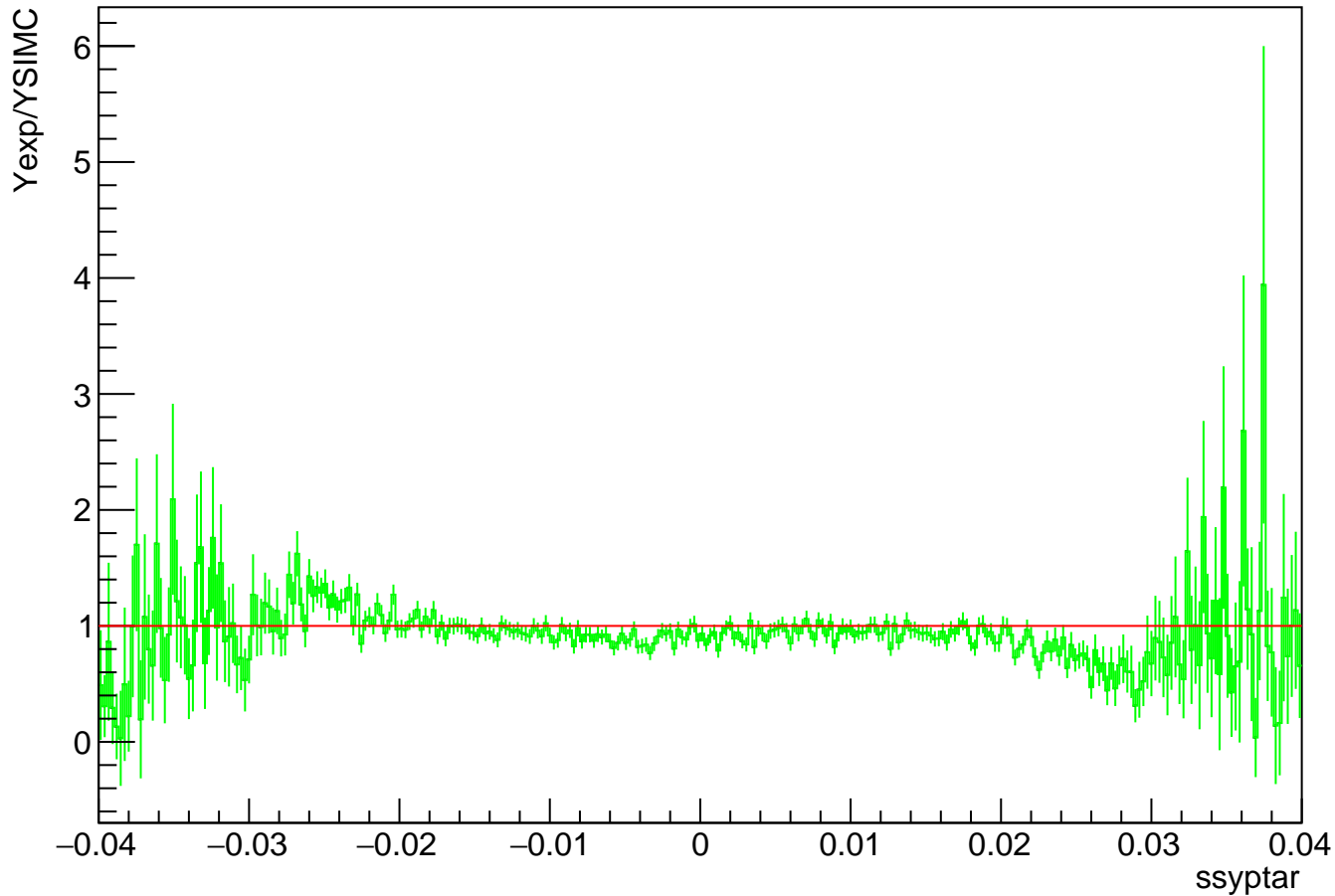
SHMS xptar



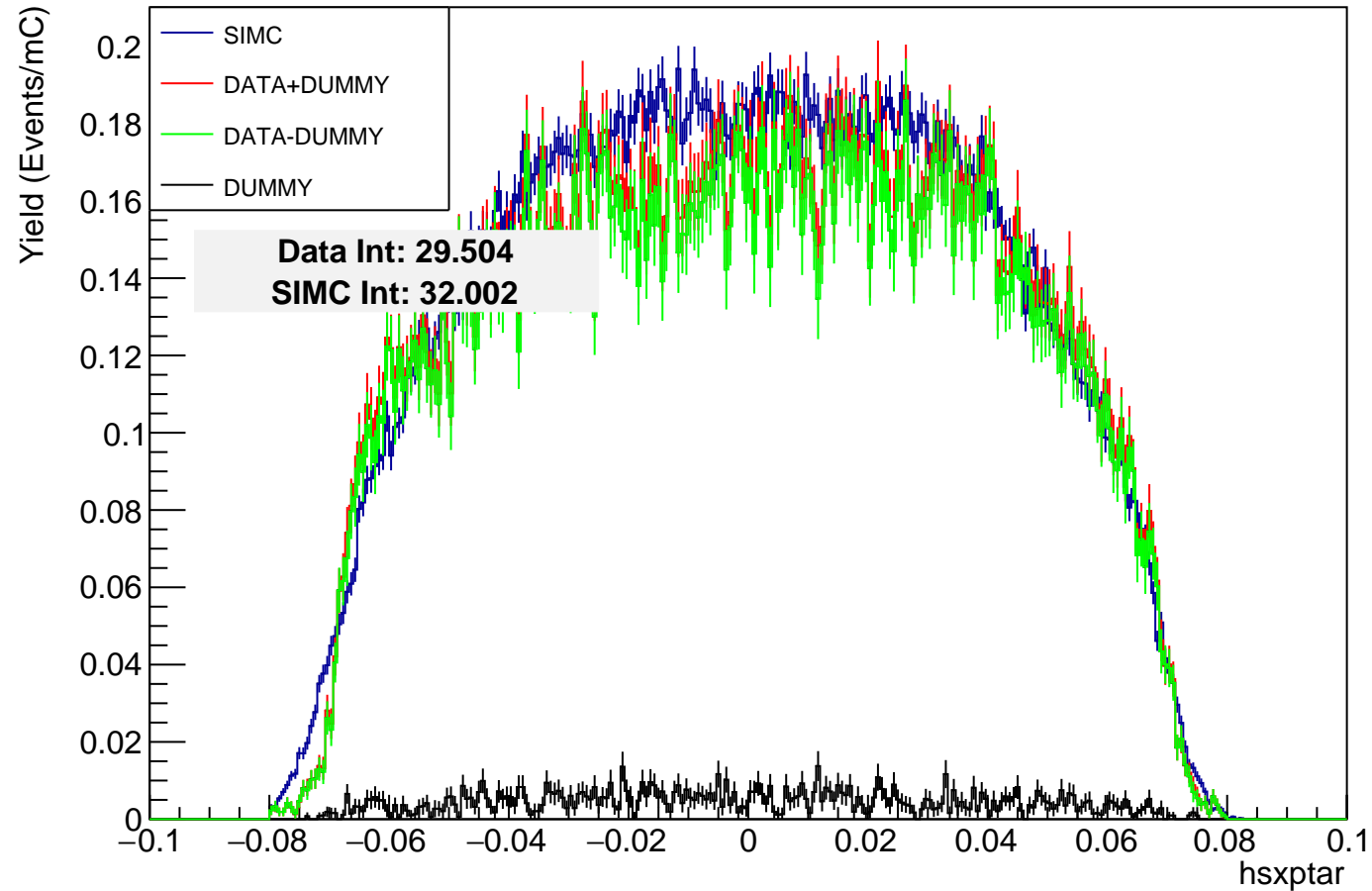
SHMS yptar



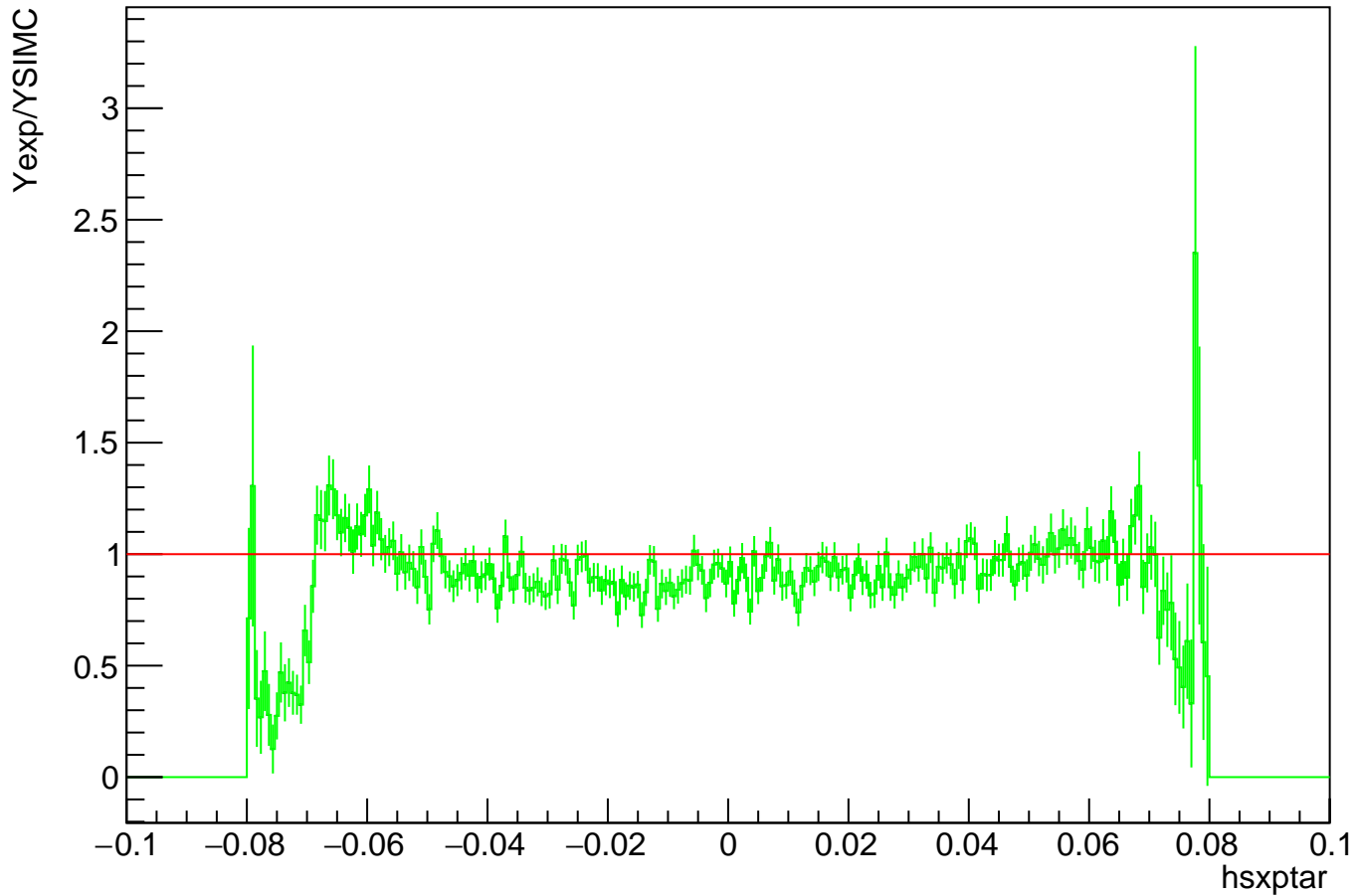
SHMS yptar



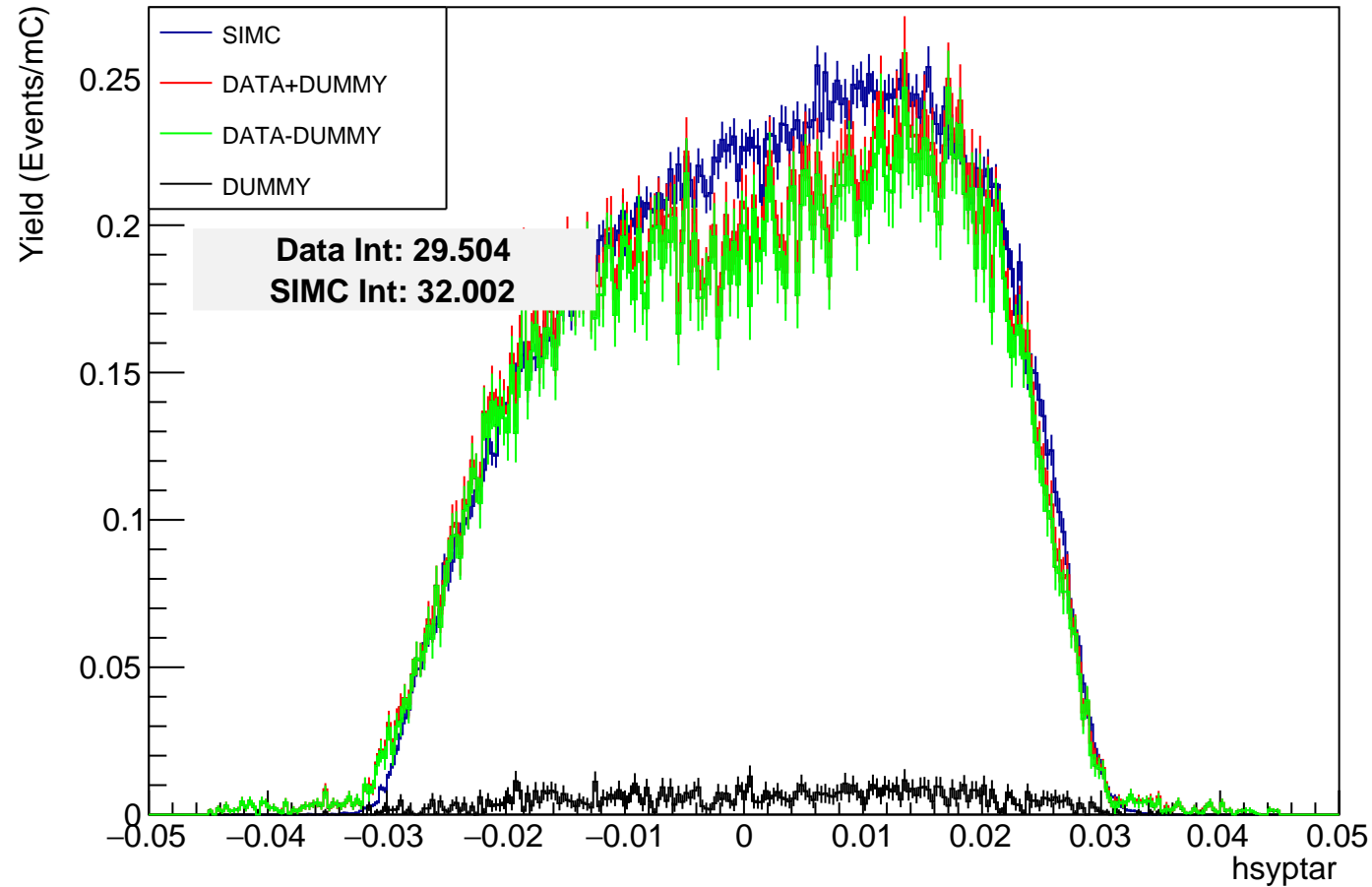
HMS xptar



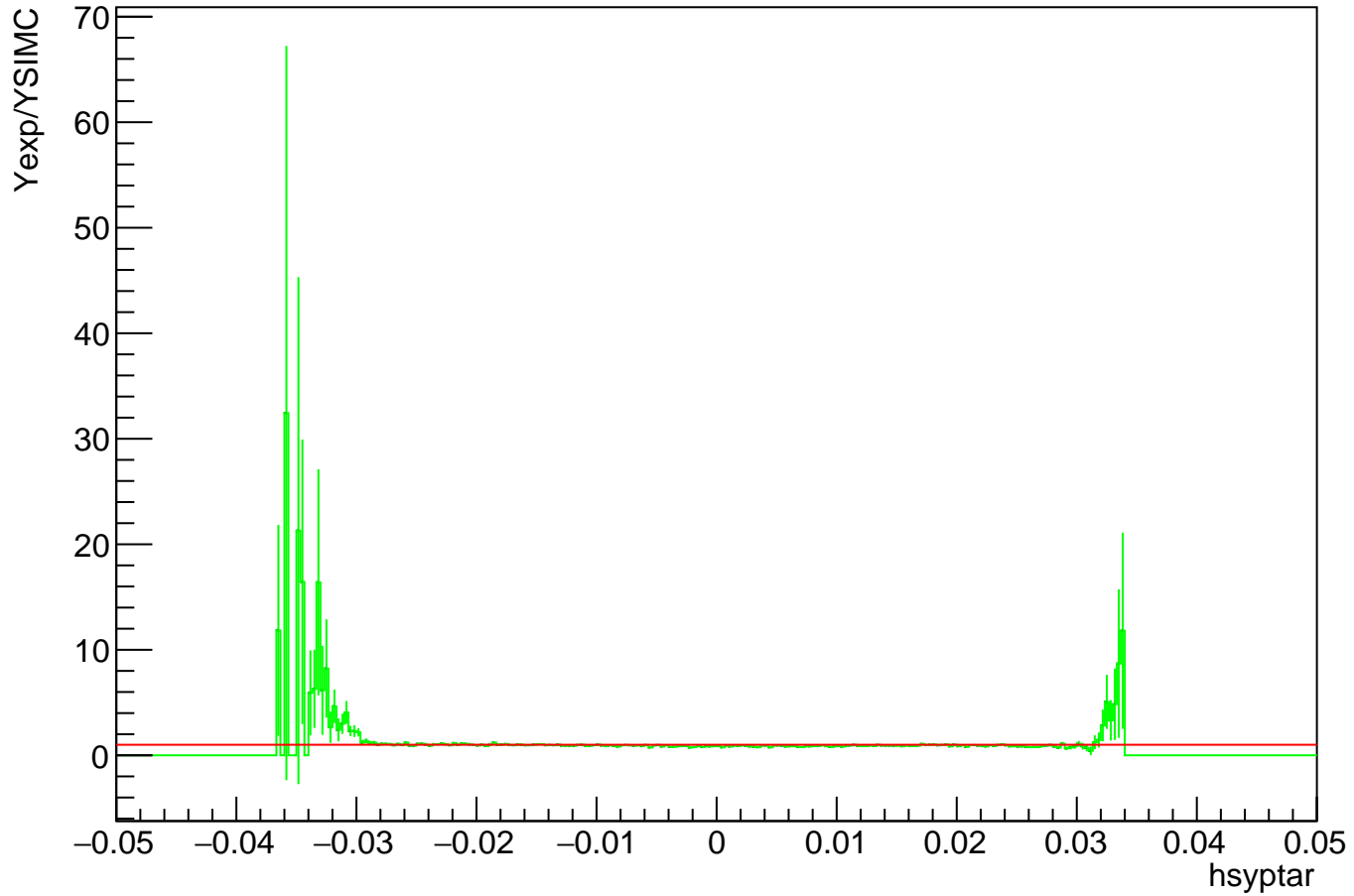
HMS xptar



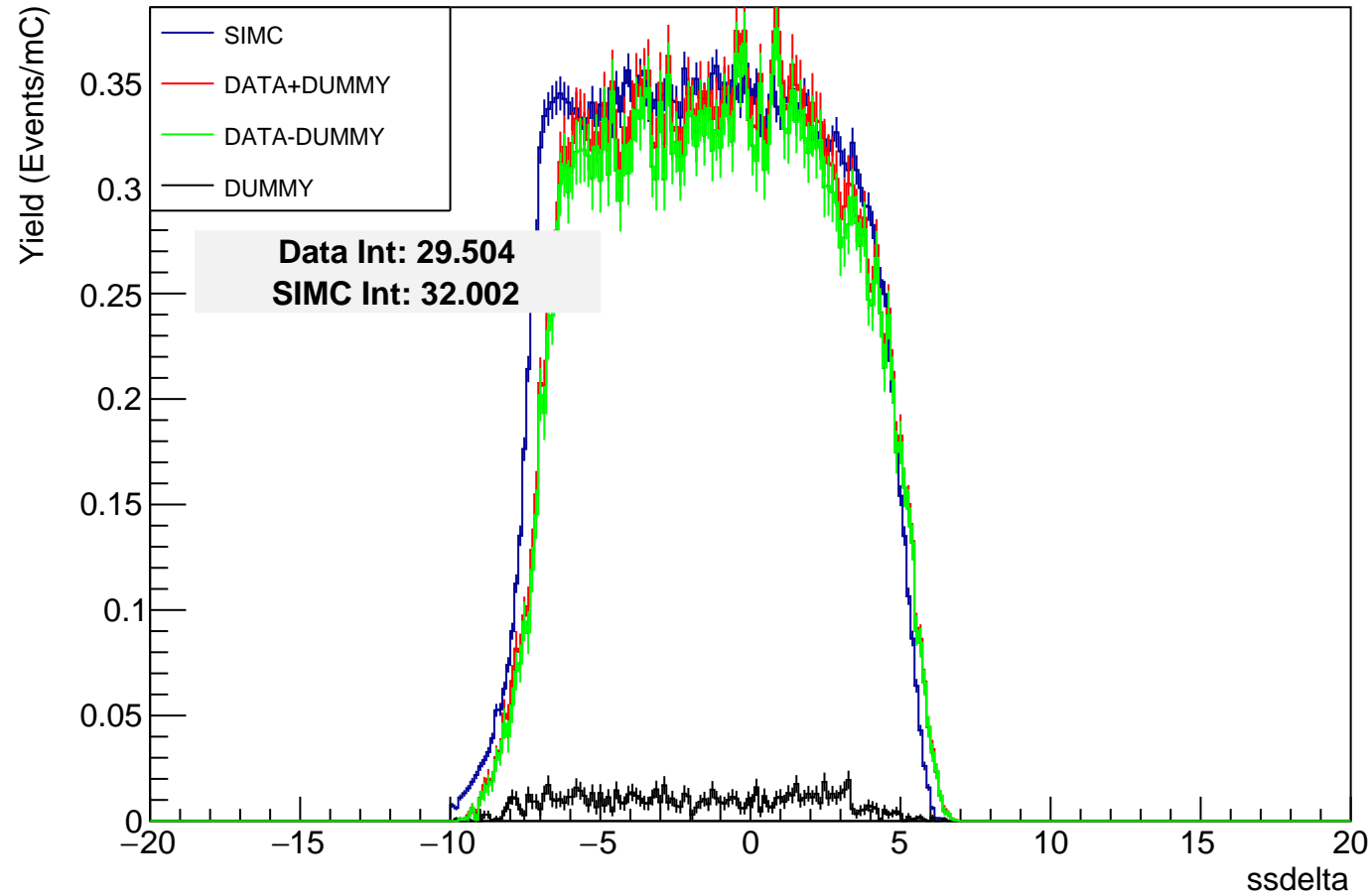
HMS yptar



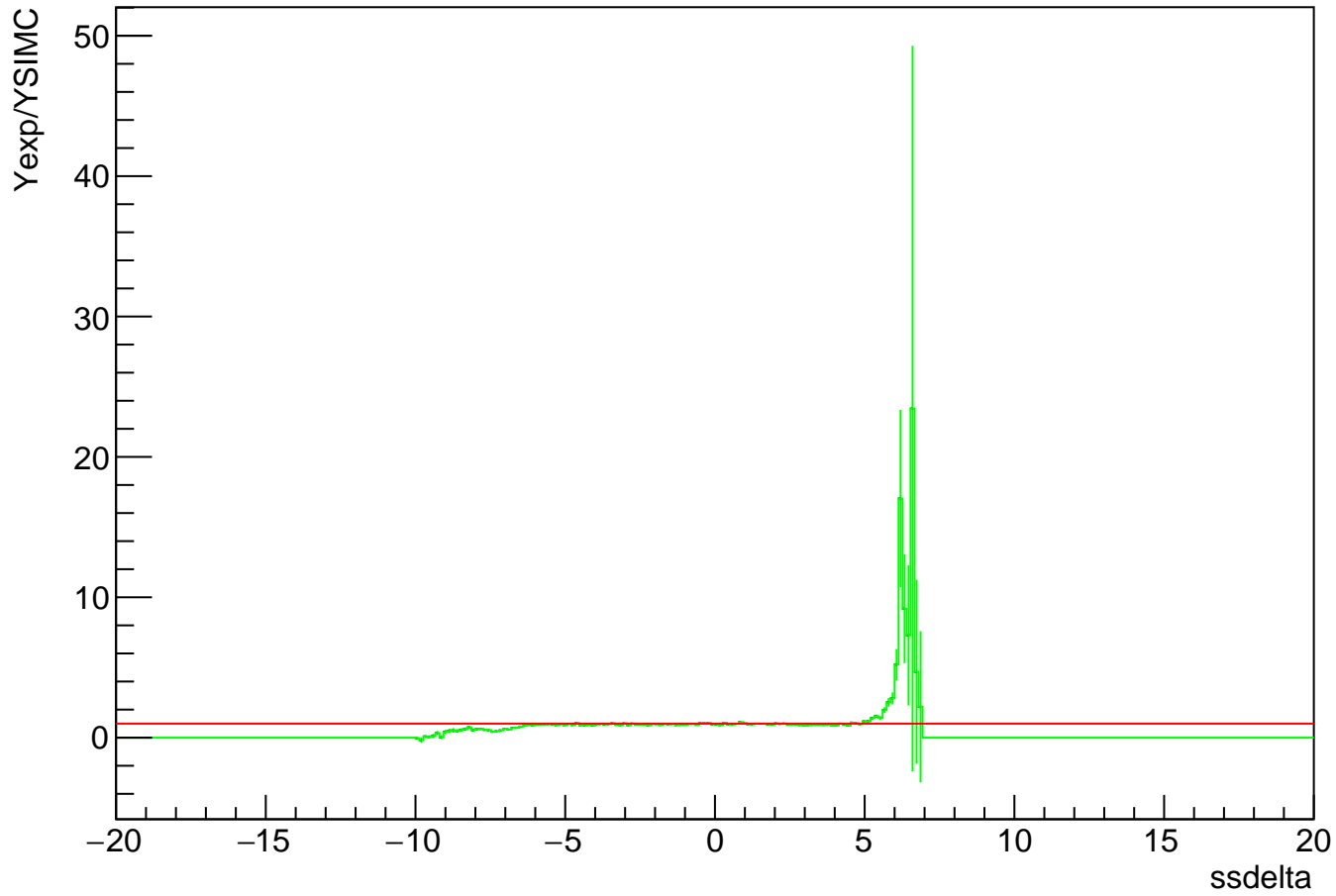
HMS yptar



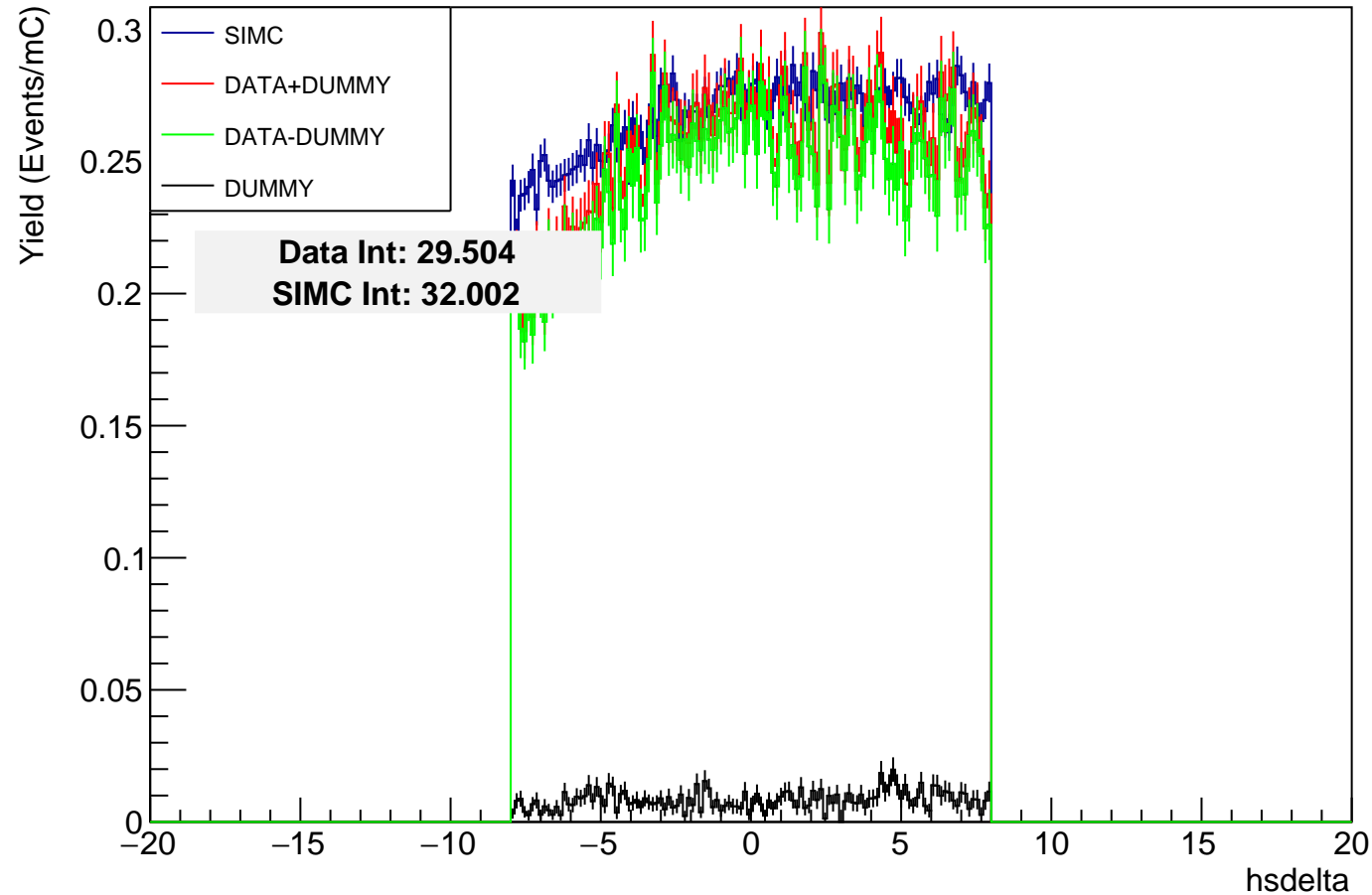
SHMS delta



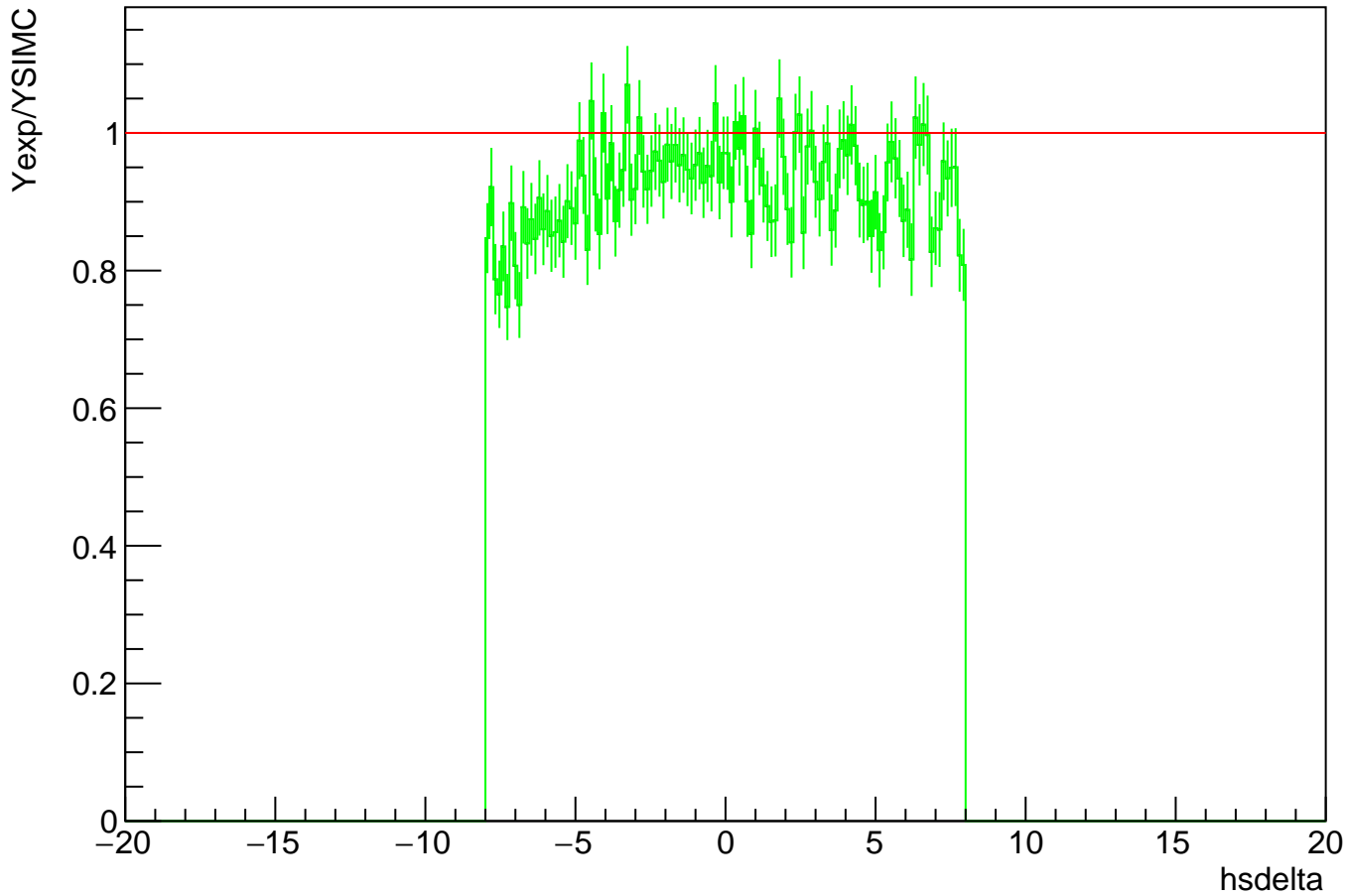
SHMS delta



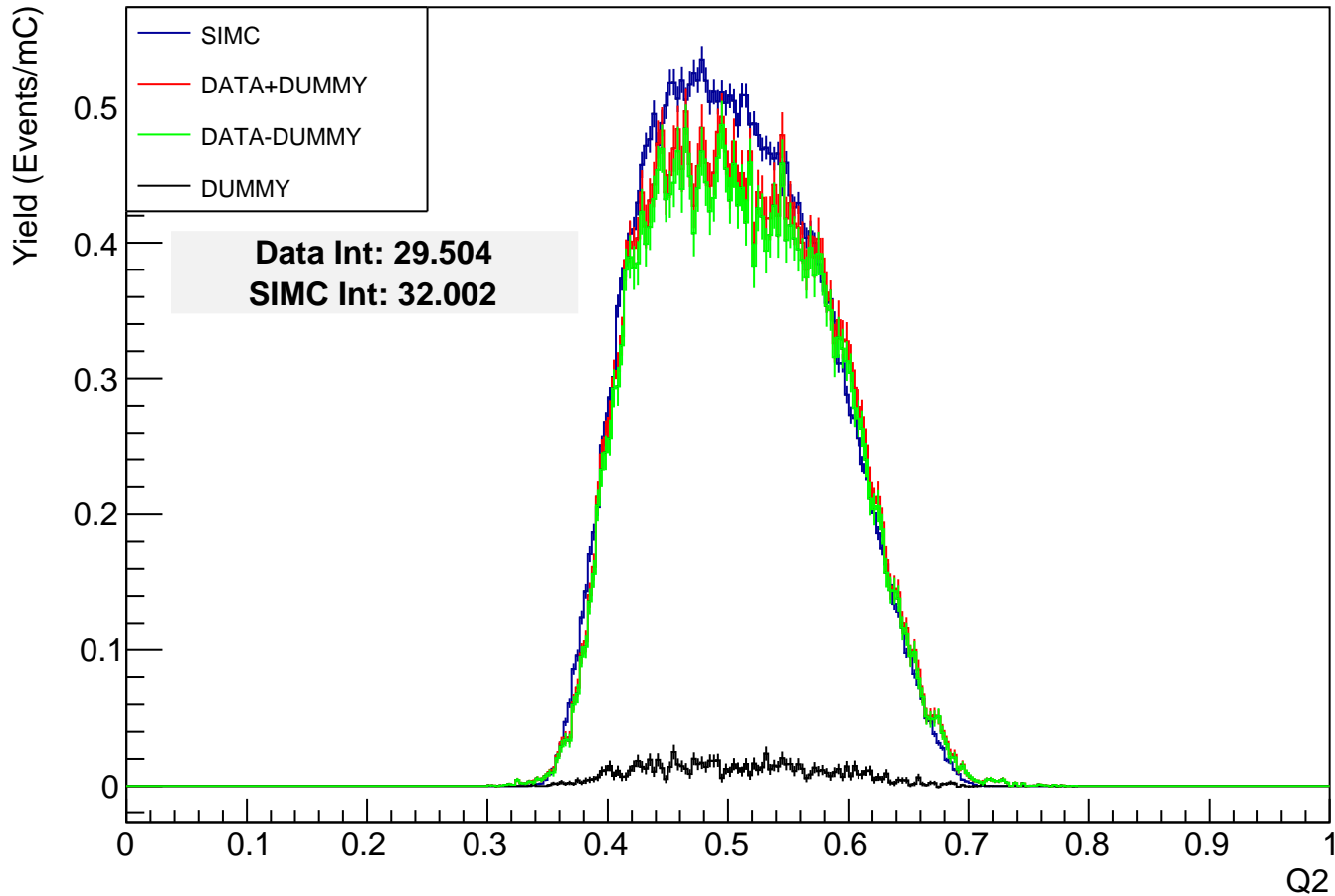
HMS Delta



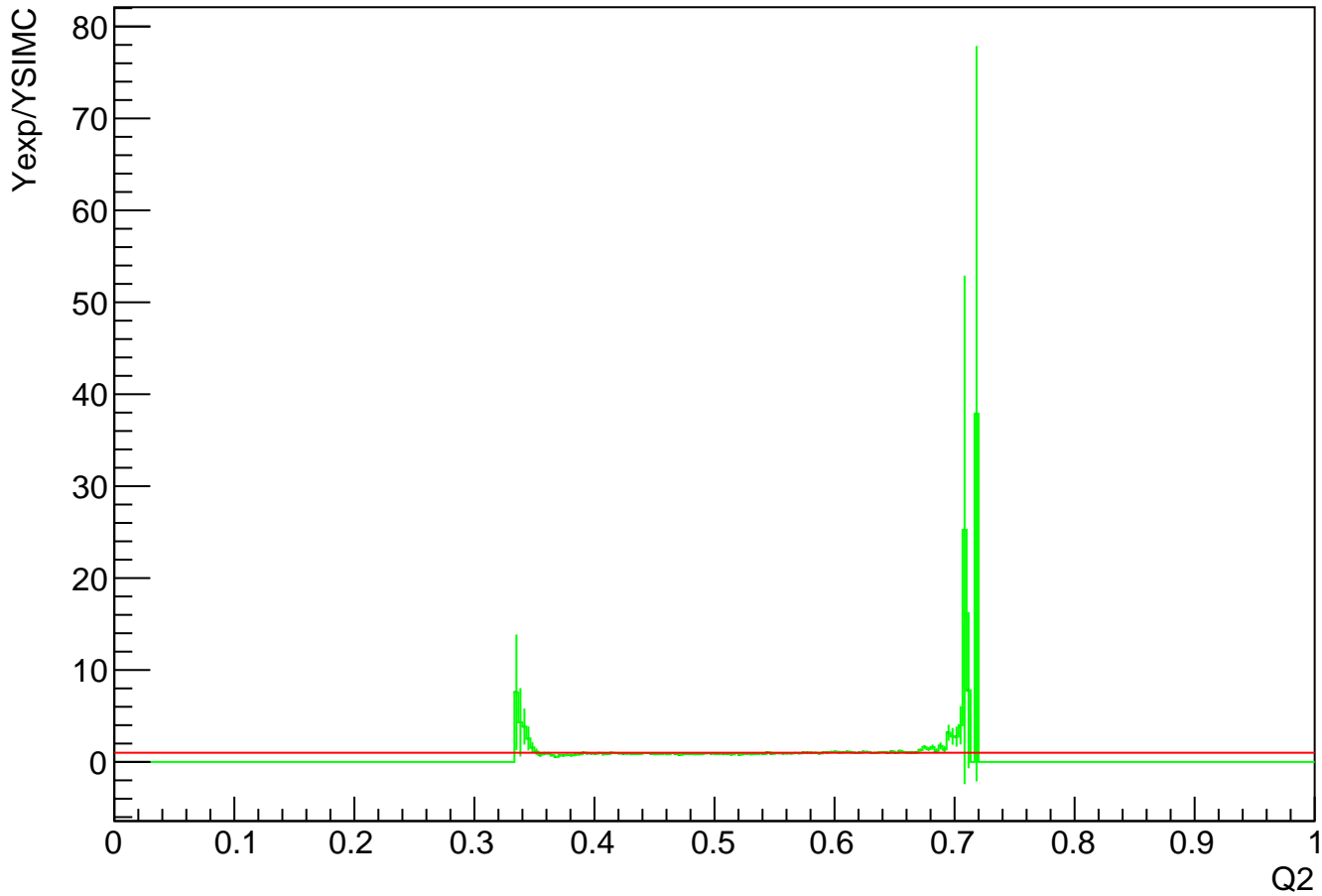
HMS Delta



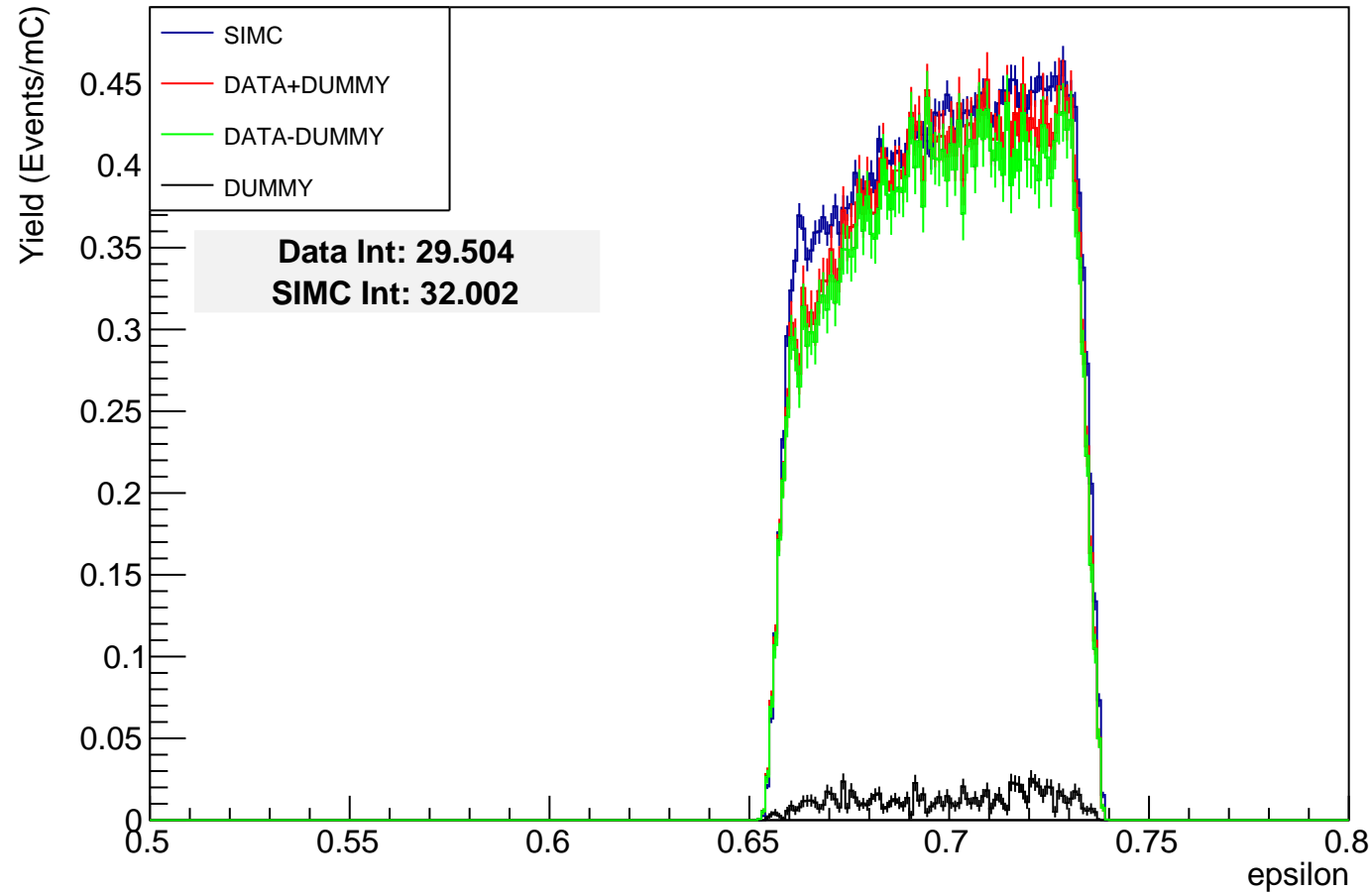
Q2



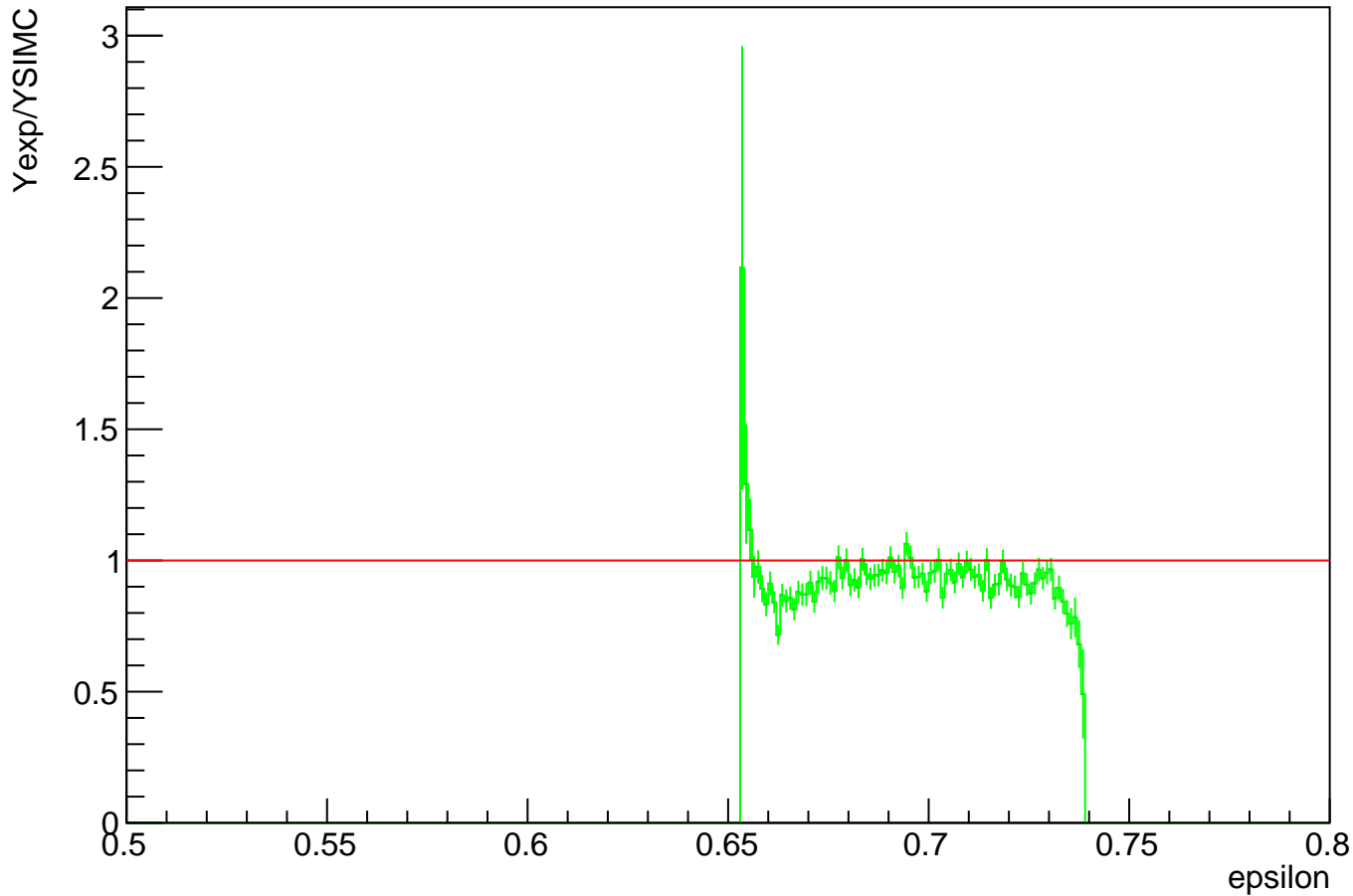
Q2



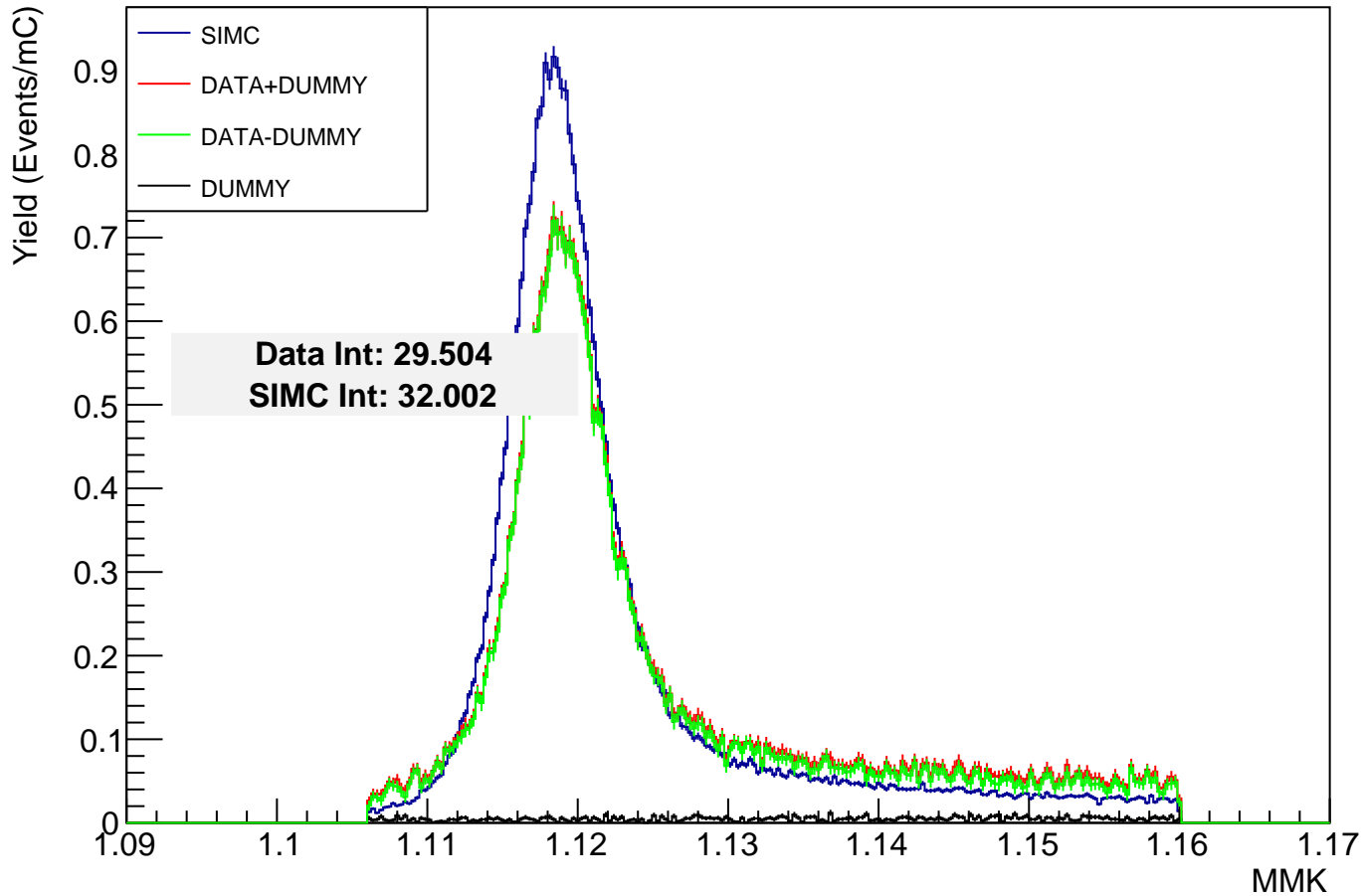
epsilon



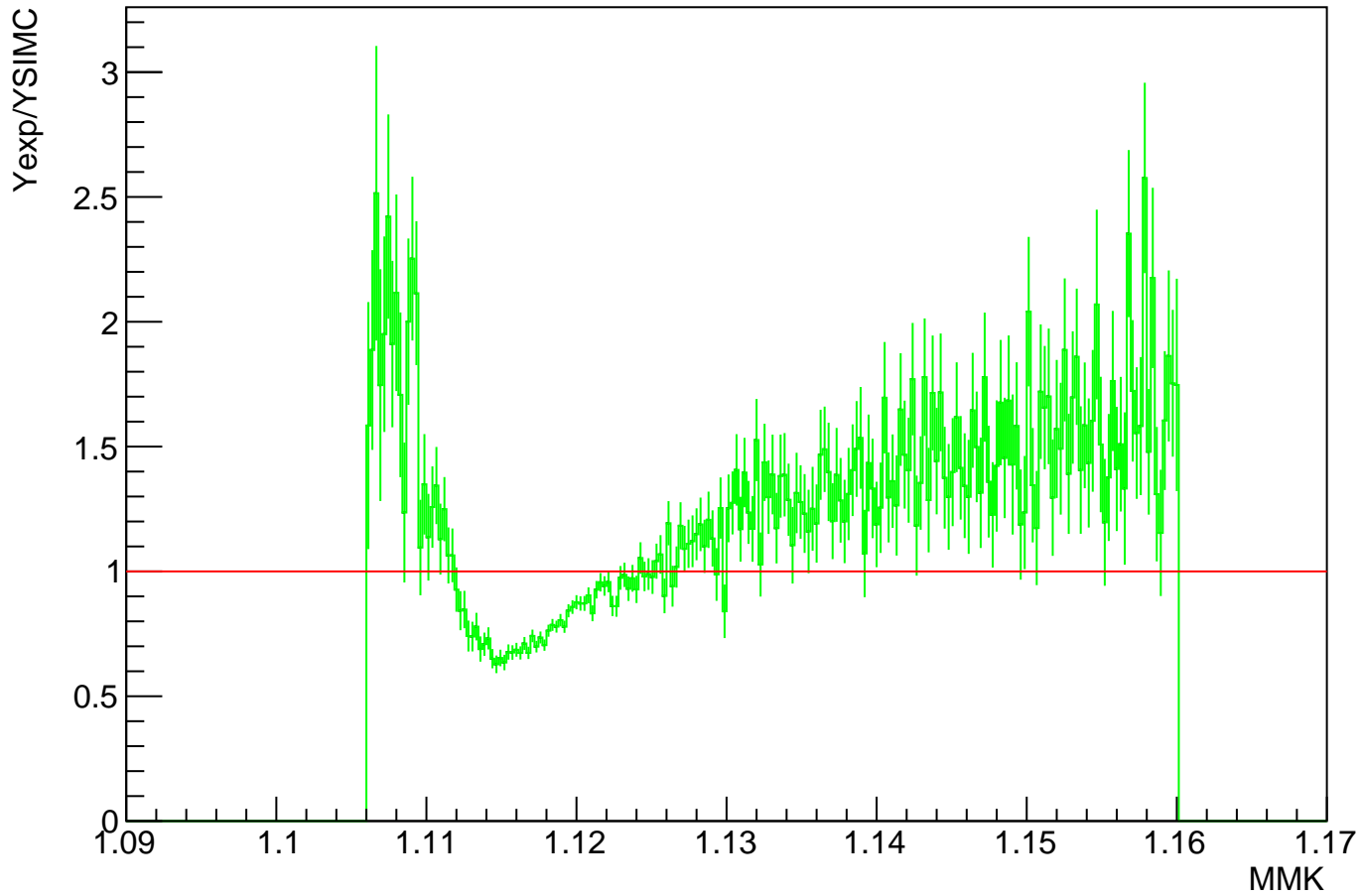
epsilon



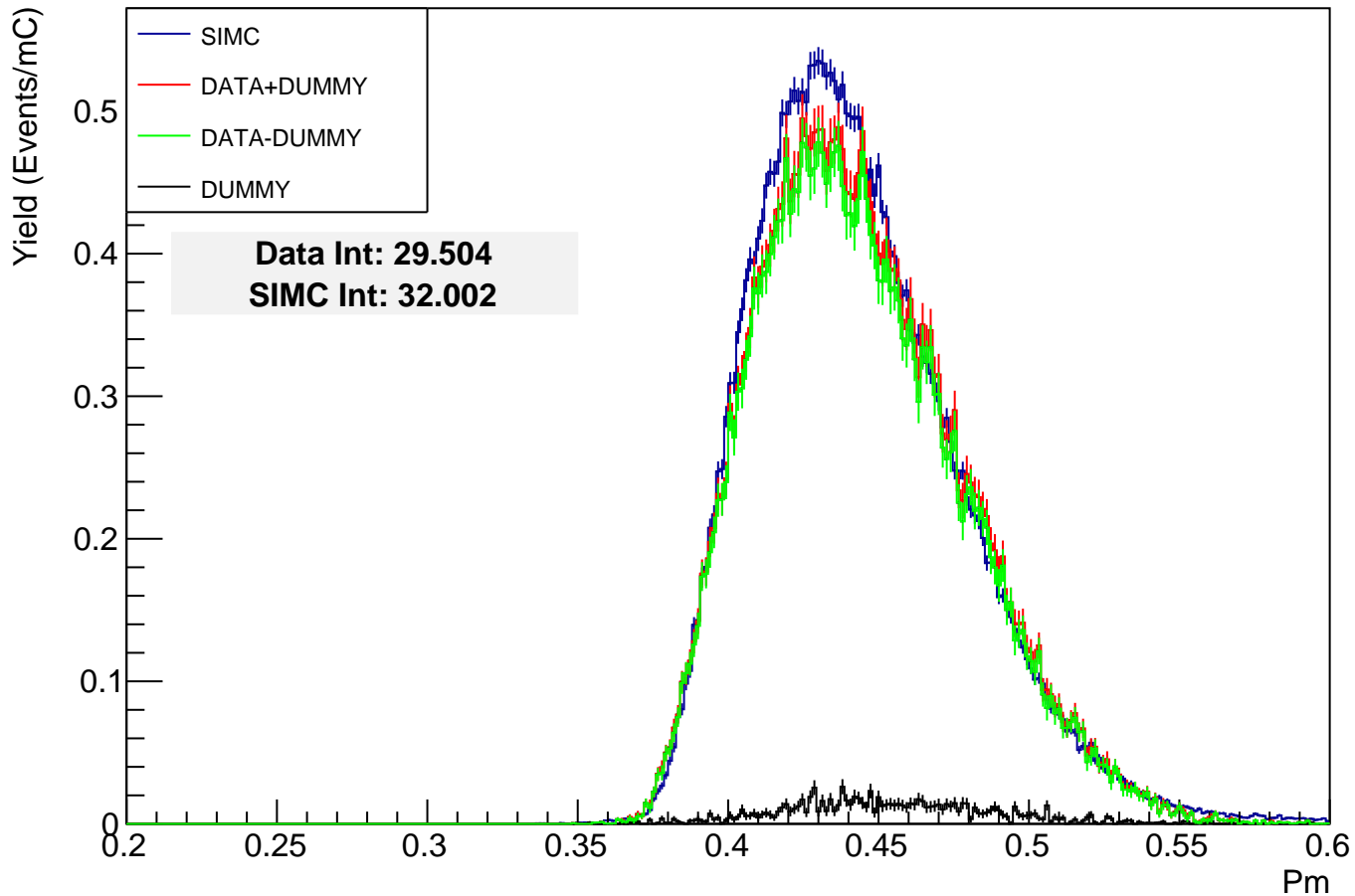
MMK



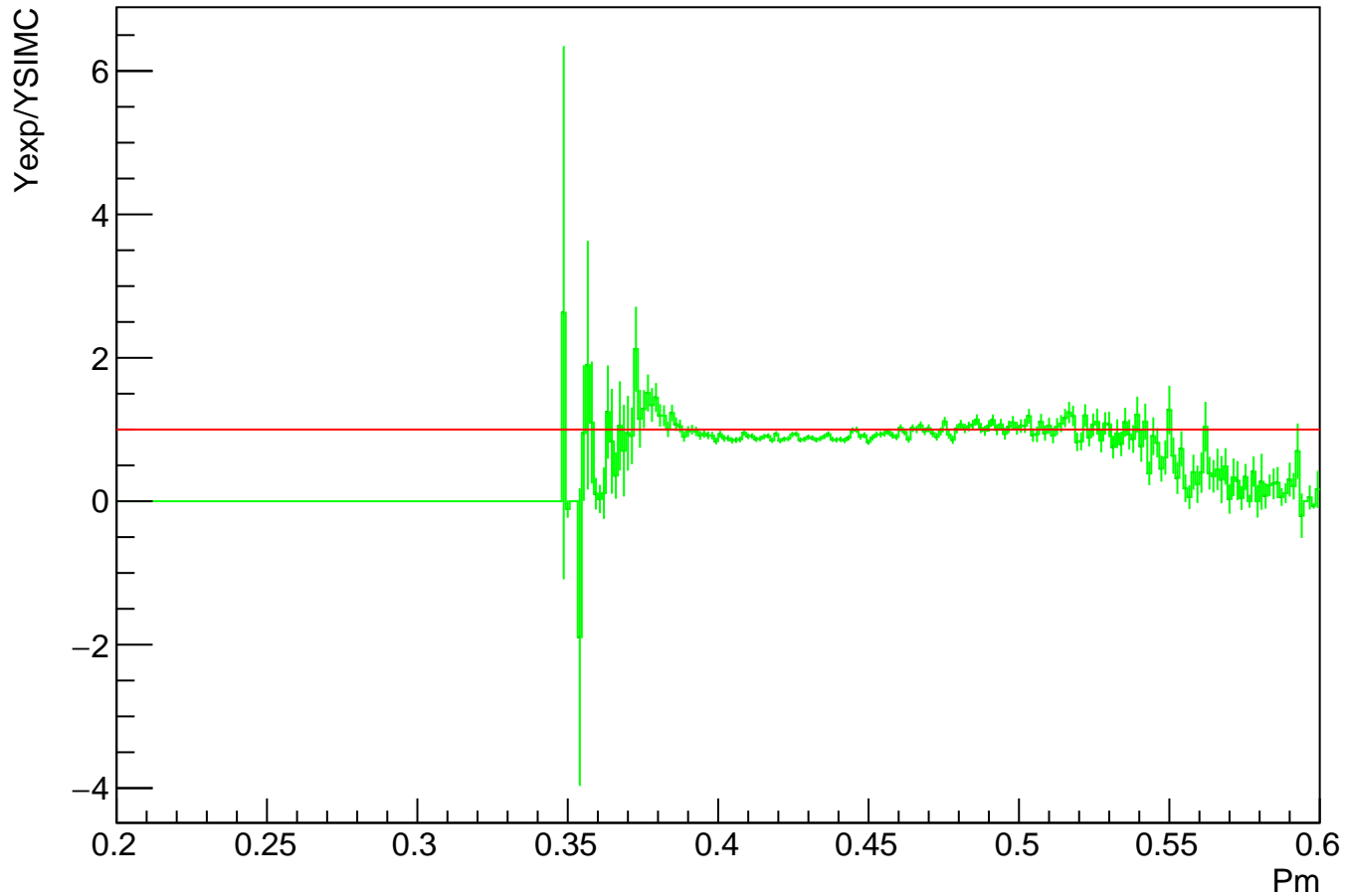
MMK



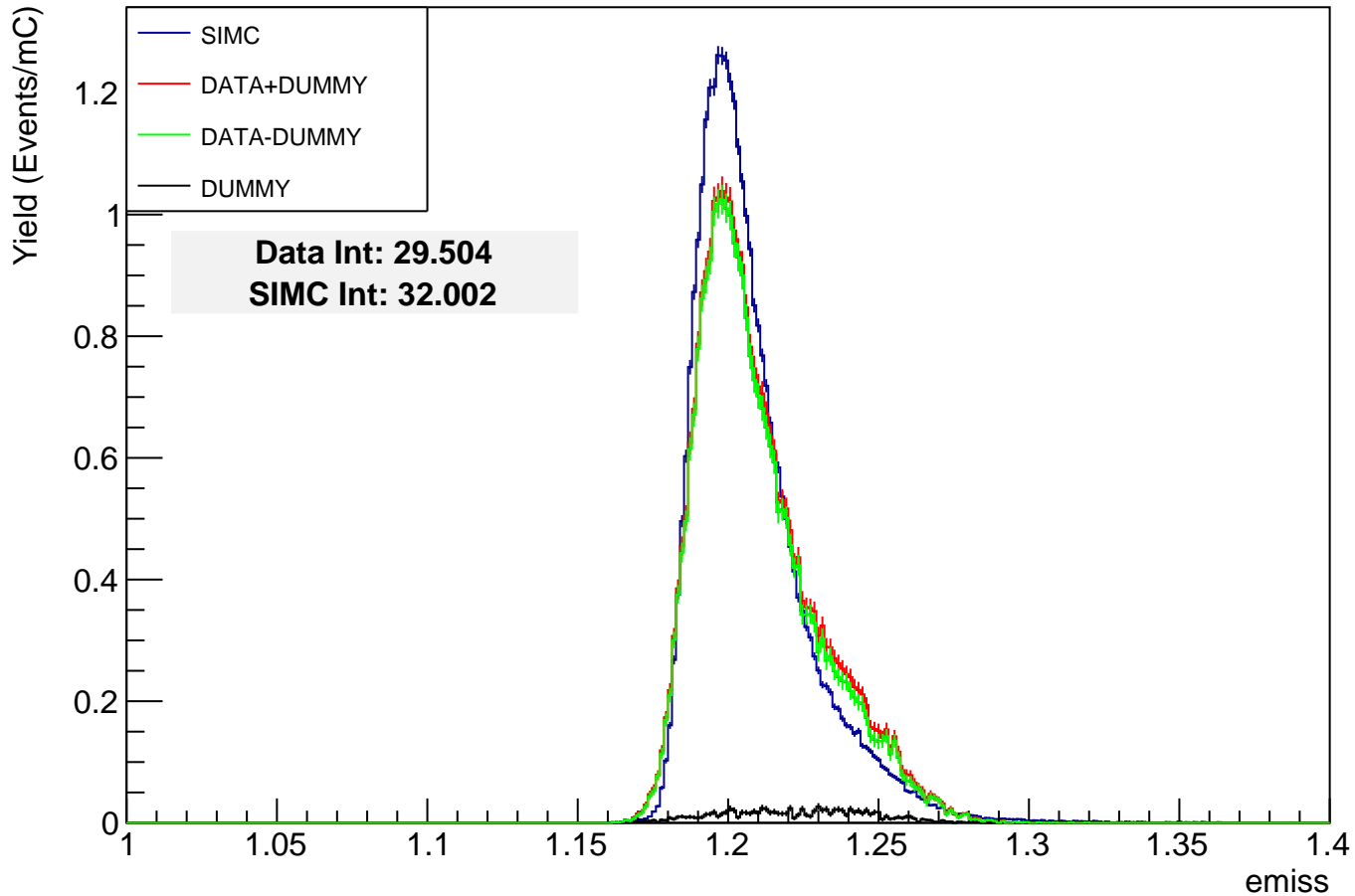
pmiss



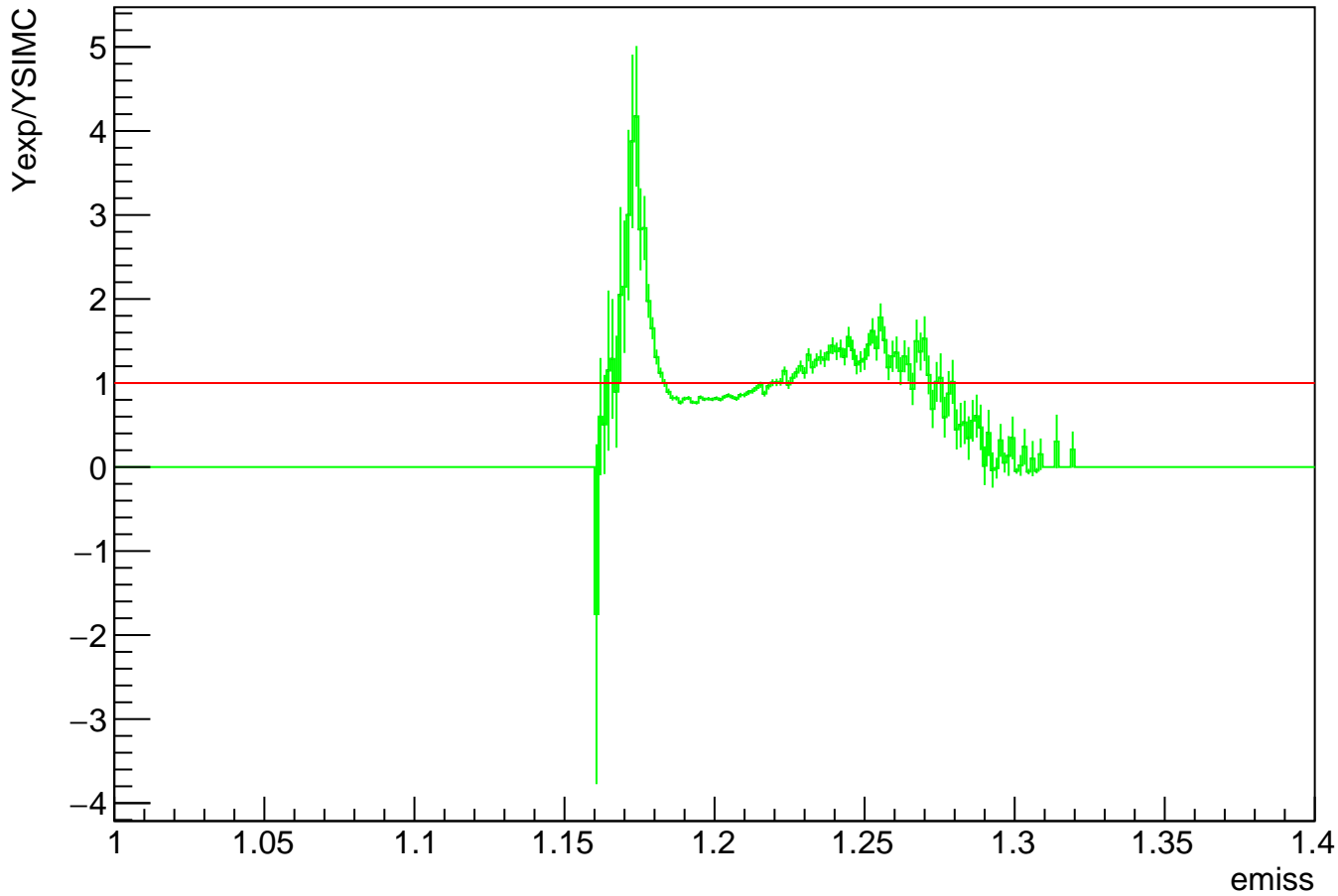
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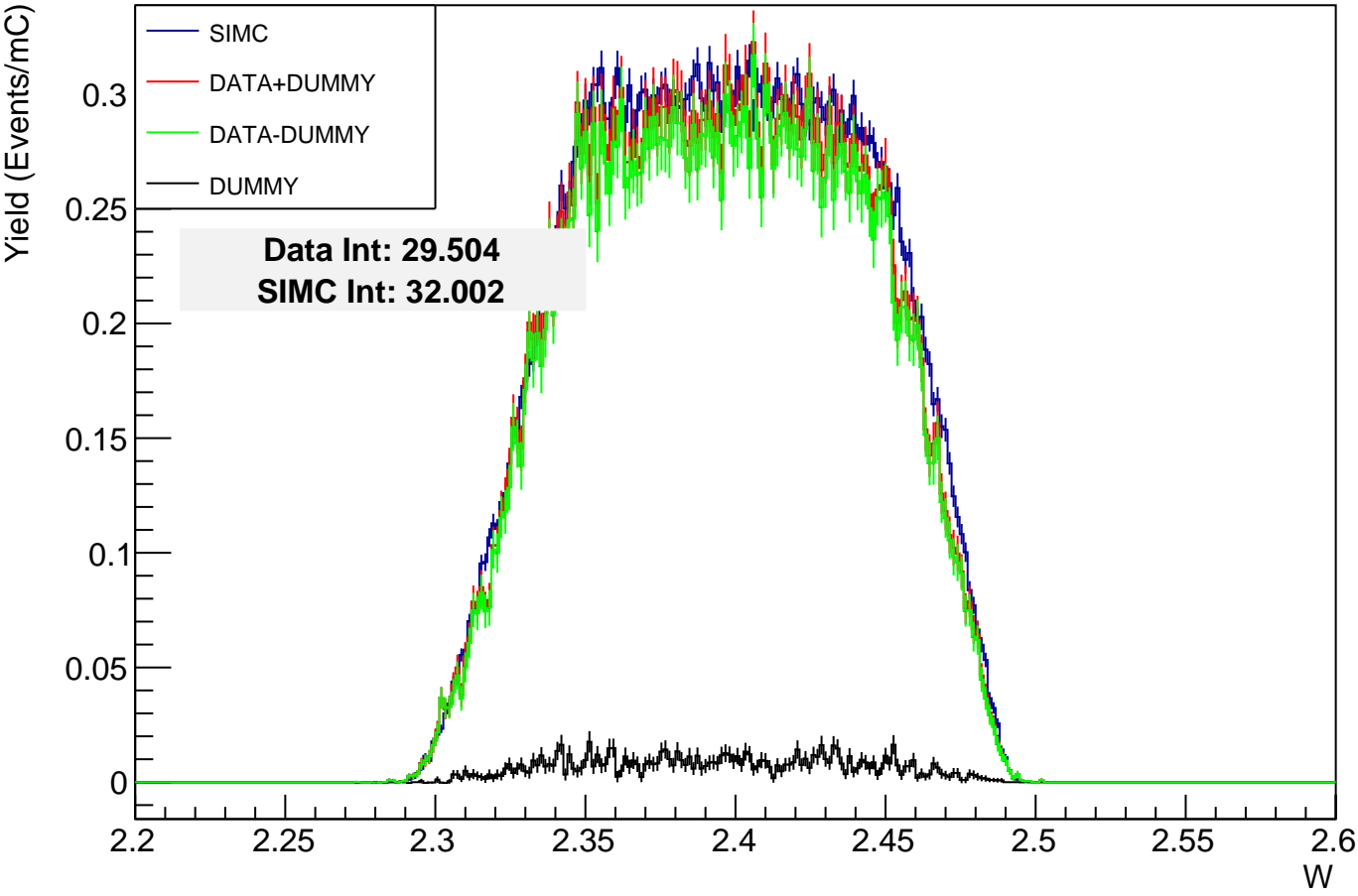
emiss



emiss

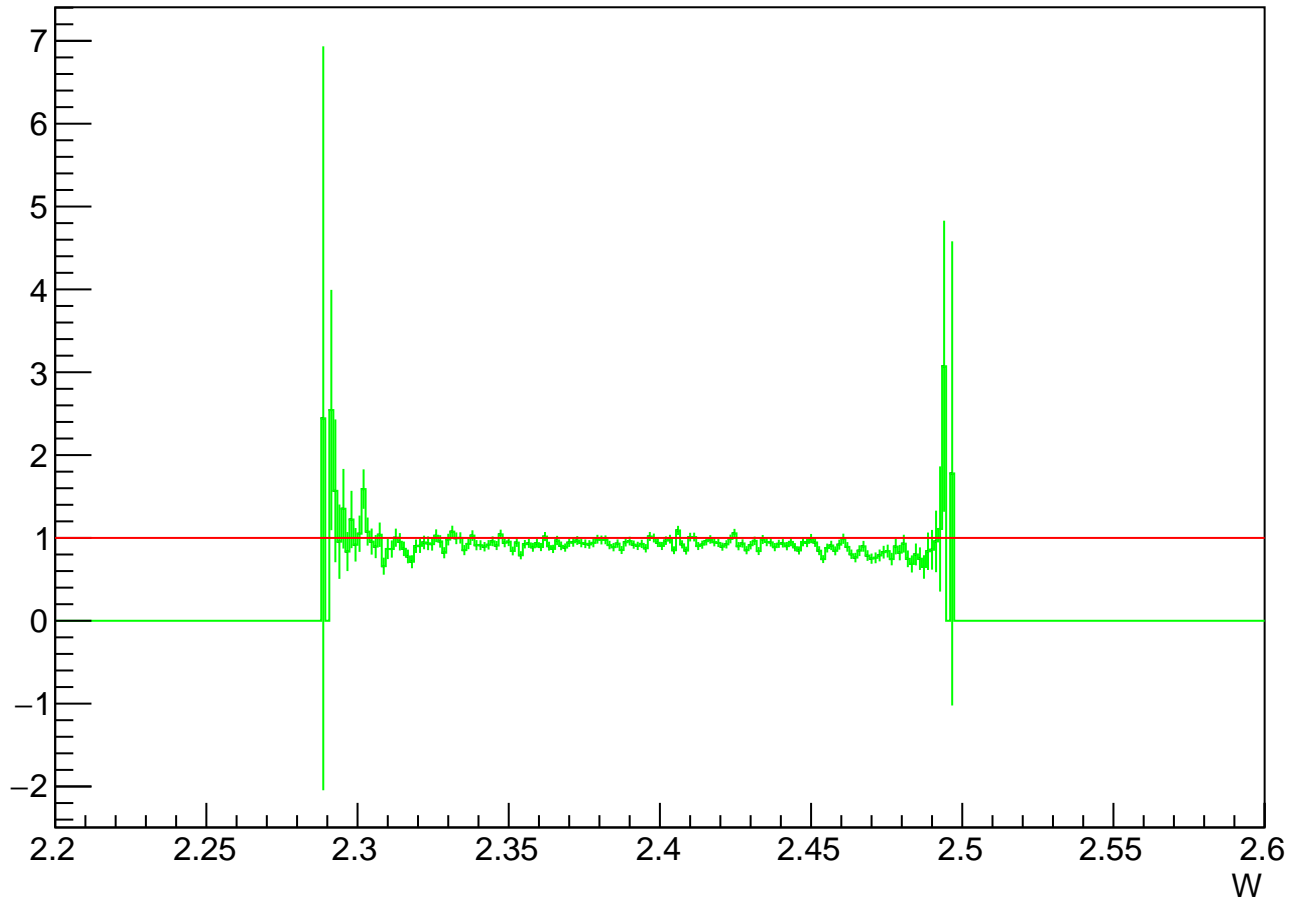


W

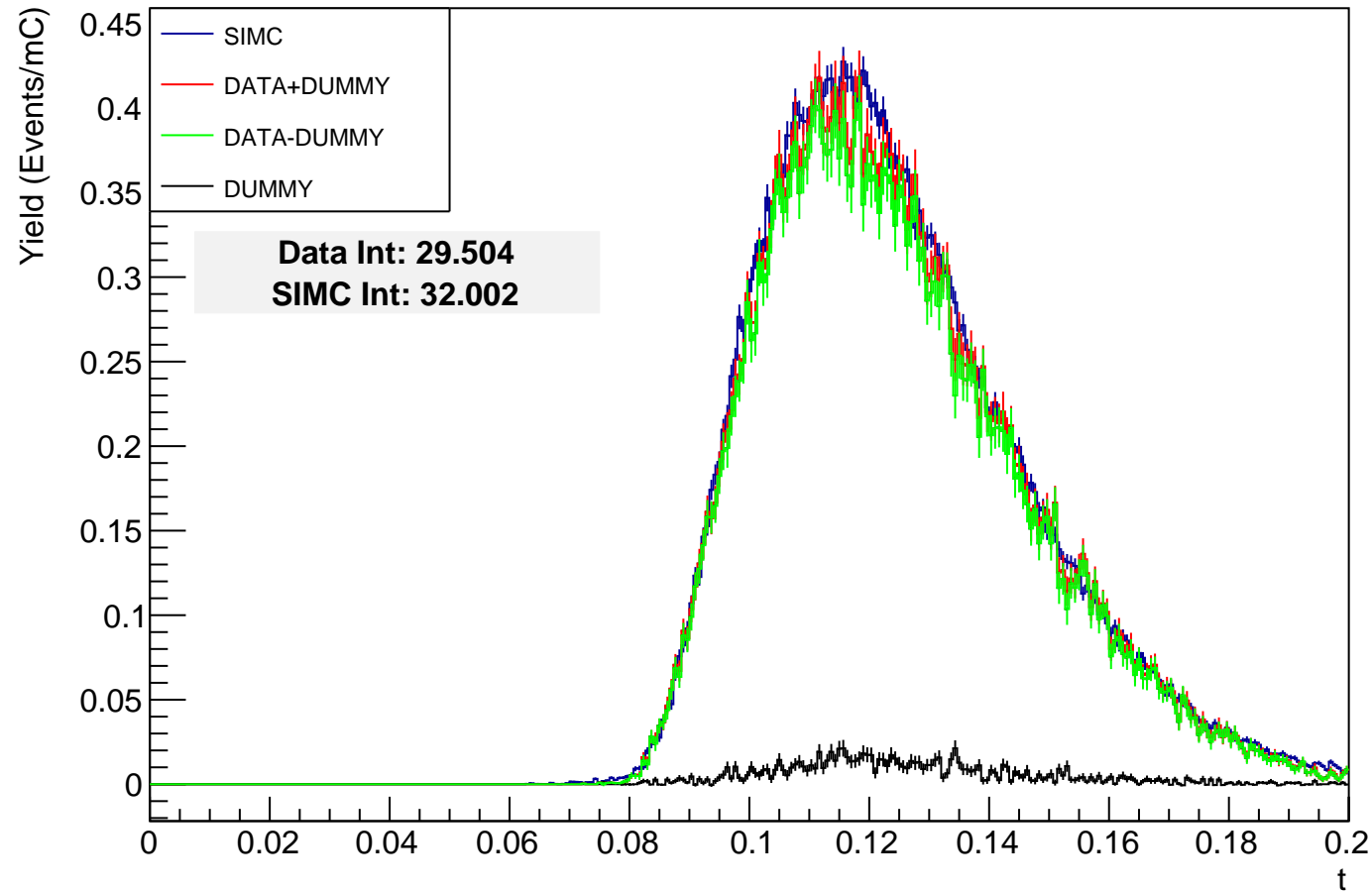


W

Y_{exp}/Y_{SIMC}

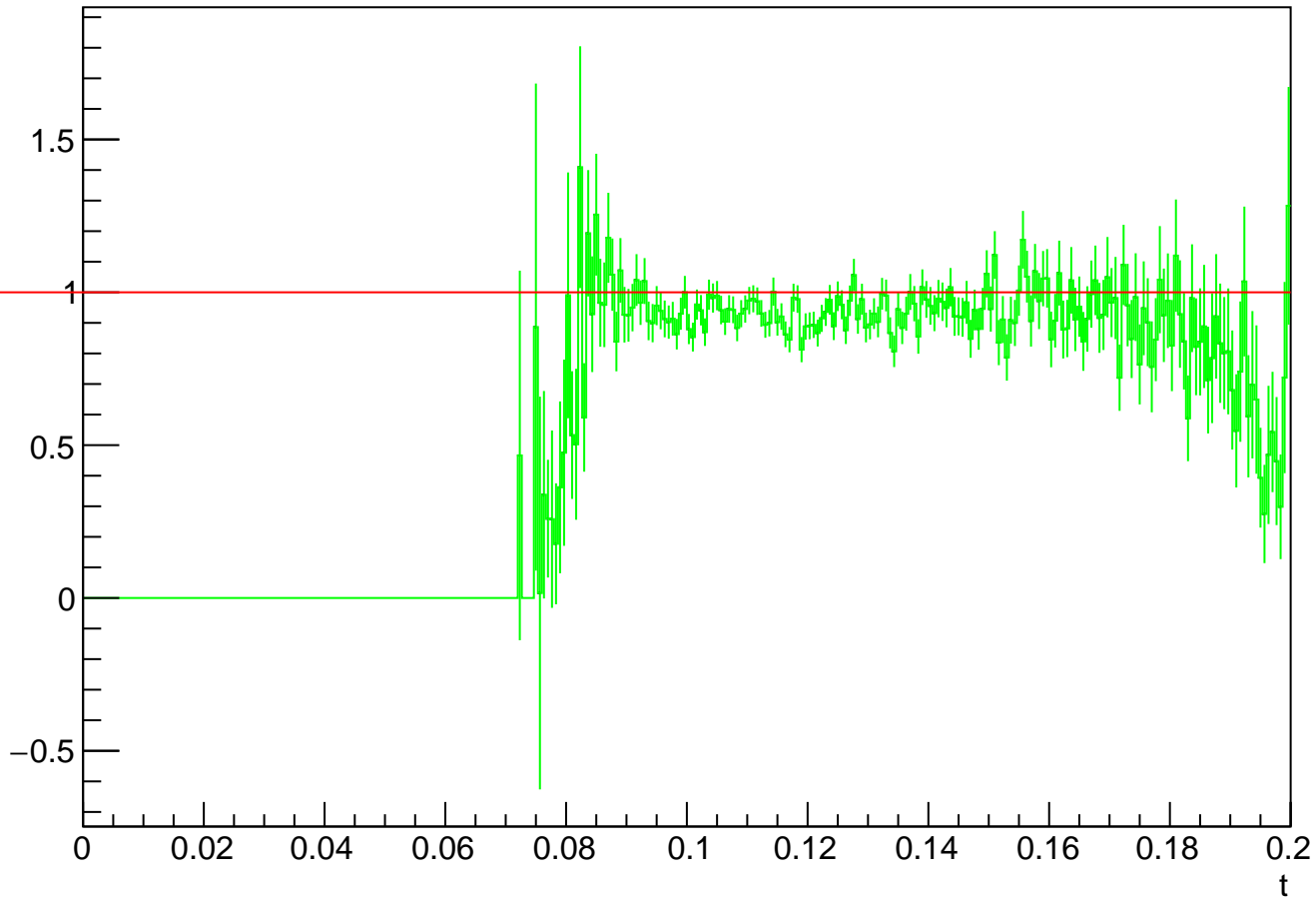


t



t

Yexp/YSIMC



Next Plan:

- I am working to complete the simulation study for the low Q^2 **PionLT data**. This data has many settings to do.
- Once this is done, then I will start to work to improve the Heep study.