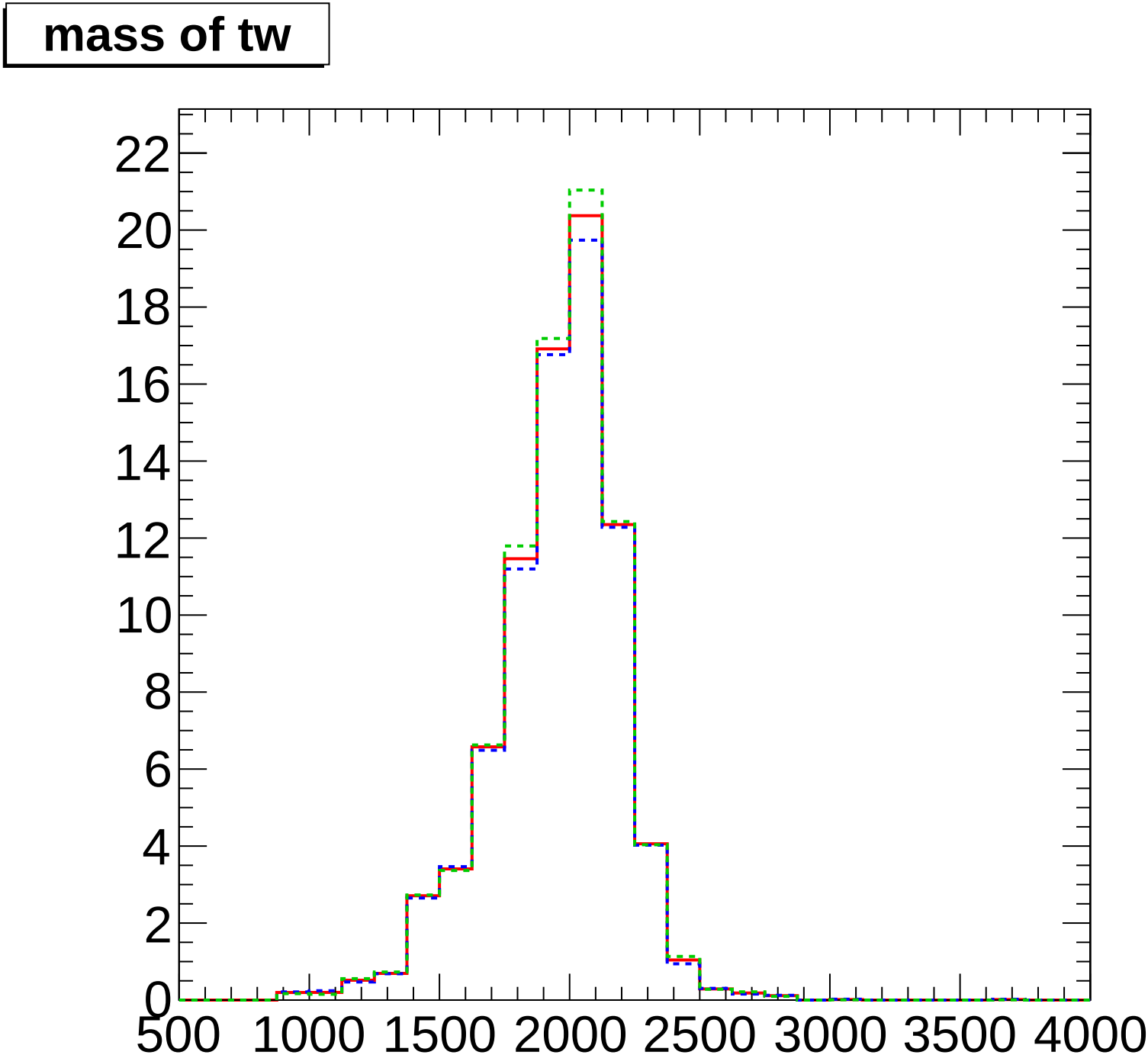
mass of tw
0
2
4
6
8
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4000