BDT update



Marcin Chrzaszcz



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m B}^0
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m K}^* \mu^- \mu^+$ meeting, CERN October 25, 2017

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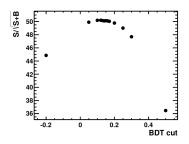
BDT optimization - bug found:

⇒: The was a typo:
BDT < X in stead of BDT > X
when scanning the BDT cut

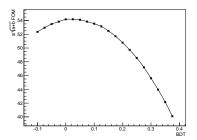
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BDT update

BDT optimization - optimization



 \Rightarrow We selected the BDT>0.2 to be on the safe side.

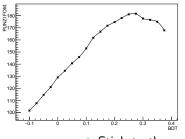


⇒ Following the same principle we should now select: BDT>0.1

BDT optimization - optimization Punzi

⇒ Punzi FOM:

$$FOM = \frac{s}{a/2 + \sqrt{b}} \tag{1}$$



$$\Rightarrow a = 3$$

⇒ Gives different answer but this is expected.

⇒ Stick to the previous optimization method.

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Backup



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