



TMDLIB

QUESTIONS AND PROPOSITIONS

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PB discussion meeting

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 **branch** to implement Pavia code in TMDlib

 **cmake** instead of autotools

 improve portability of the code

 **yaml - cpp**

 why not externally linked?

 one step to do: we will look at the info file for the grids


```
1 SetDesc:"PB-NLO-HERAI+II-2018-set1 with alpha_s(q).
2 Fit and experimental uncertainty variations. "
3 SetIndex: XXXXX
4 Authors: XXXX
5 Reference: XXXX
6 Particle: 2212
7 NumMembers: 34
8 NumFlavors: 6
9 FlavorScheme: PB TMD
10 Flavors: [-5, -4, -3, -2, -1, 1, 2, 3, 4, 5, 21]
11 AlphaS_MZ: 0.118
12 AlphaS_OrderQCD: 1
13 OrderQCD: 1
14 XMin: 9.9e-07
15 XMax: 1.
16 KtMin: 0.01
17 KtMax: 13300.
18 QMin: 1.3784
19 QMax: 13300
20 MZ: 91.1876
21 MUp: 0.
22 MDown: 0.
23 MStrange: 0.
24 MCharm: 1.47
25 MBottom: 4.5
26 MTop: 173
27
```

```
1 SetDesc: Set produced with NangaParbat + APFEL++
2 Authors: A. Bacchetta, V. Bertone, C. Bissolotti, G. Bozzi, F. Delcarro, F. Piac
3 Reference: arXiv:xxxx.xxxxx
4 SetIndex: 000000
5 TMDType: pdf
6 CollDist: MMHT2014lo68cl
7 CollDistMember: 0
8 Format: TMDlib1
9 DataVersion: 1
10 OrderQCD: NLL
11 Regularisation: bstarmin
12 NumMembers: 297
13 ErrorType: Monte Carlo
```