



PrimeTagSvc

Jets, samples and Wednesday working meeting

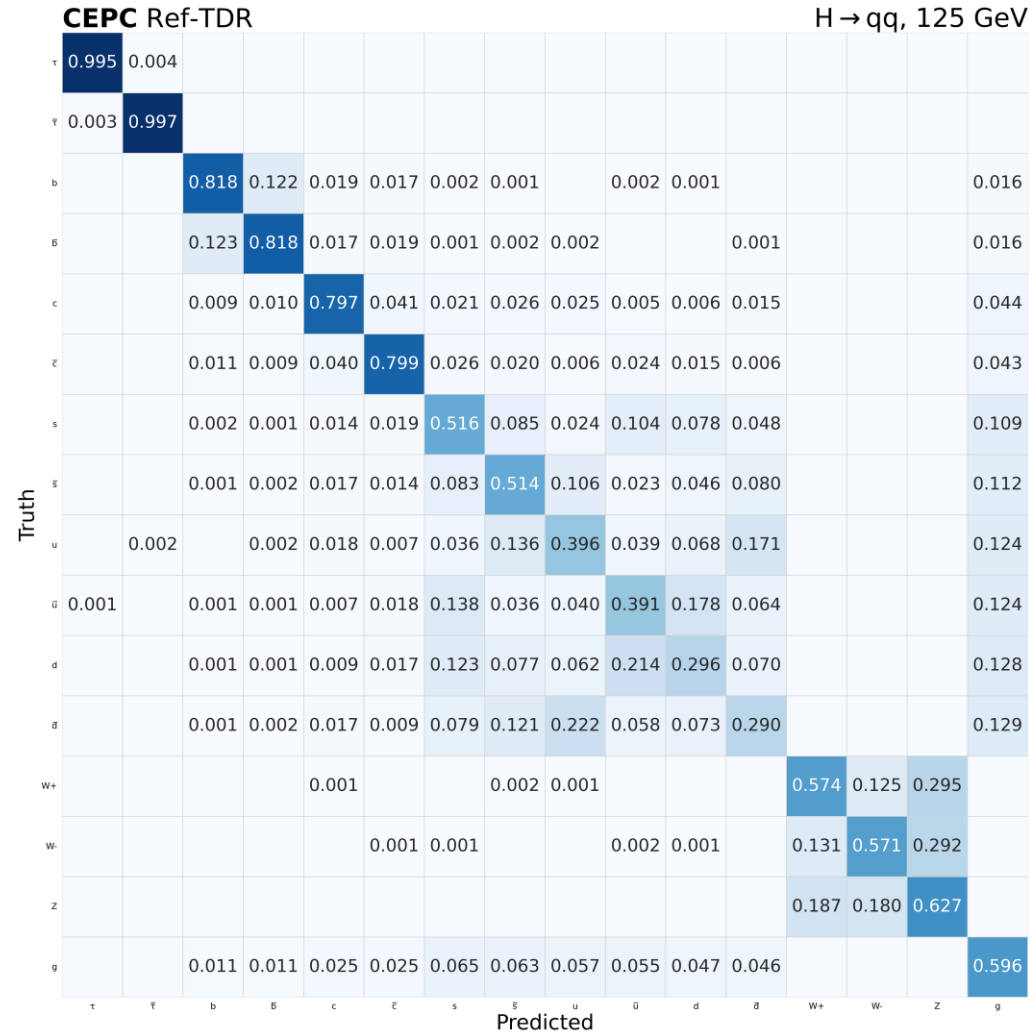
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- <https://code.ihep.ac.cn/zhangkl/PrimeTagSvc>
- With tutorial README and package JetDump
- Rely on FinalPIDSvc
- Ready to use

Default: M16 model

Other model like event level models in Onnx on the way.



Jet user_index



- TagSvc use whatever inputs for tagging, irrelevant with Jet clustering
- JetDumpAlg provide one example using user_index
- Get PFOs from one jet then tagging

```
debug()<<"Score_tau    "<<output[0]<<endmsg;  
debug()<<"Score_taubar"<<output[1]<<endmsg;  
debug()<<"Score_b      "<<output[2]<<endmsg;  
debug()<<"Score_bbar   "<<output[3]<<endmsg;  
debug()<<"Score_c      "<<output[4]<<endmsg;  
debug()<<"Score_cbar   "<<output[5]<<endmsg;  
debug()<<"Score_s      "<<output[6]<<endmsg;  
debug()<<"Score_sbar   "<<output[7]<<endmsg;  
debug()<<"Score_d      "<<output[8]<<endmsg;  
debug()<<"Score_dbar   "<<output[9]<<endmsg;  
debug()<<"Score_u      "<<output[10]<<endmsg;  
debug()<<"Score_ubar   "<<output[11]<<endmsg;  
debug()<<"Score_wplus  "<<output[12]<<endmsg;  
debug()<<"Score_wminus"<<output[13]<<endmsg;  
debug()<<"Score_z      "<<output[14]<<endmsg;  
debug()<<"Score_g      "<<output[15]<<endmsg;
```

- Basic usage: maximum score
- Bjet: b+bbar;
- Or manually WP;
- For b: ~eff 95% + mistag rate 1%.

- Installation: following README
 - CMakeLists: add_subdirectory()
- Rely on FinalPID.
 - Need memory > 4G when >10k event in one job.
- Plan to merge to upstream CEPCSW.
- Let me know if any feedback!