



Jet@Clusters

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MC Sample List



<https://code.ihep.ac.cn/zhangkl/CEPC-MC-Database>

Finally we decided to merge into CEPcSw/doc:

<https://cepcsw-docs.readthedocs.io/en/latest/data/overview.html>

CEPC TDR Sample Production Index

For cross section, refer to:
Decorated with DataTables.js

100 entries per page

Process	Z	H	ECM (GeV)	Event number	CEPC Release	Data Path
ZH	bb		91.2	100k	25.3.6	/cefs/higgs/zhangkl/Production/25035/E91.2_eebb
ZH	cc		91.2	100k	25.3.6	/cefs/higgs/zhangkl/Production/25035/E91.2_eecc
ZH	dd		91.2	100k	25.3.6	/cefs/higgs/zhangkl/Production/25035/E91.2_eedd
ZH	uu		91.2	100k	25.3.6	/cefs/higgs/zhangkl/Production/25035/E91.2_euuu
ZH	ss		91.2	100k	25.3.6	/cefs/higgs/zhangkl/Production/25036/E91.2_eess
2f	ee		240	100k	25.3.6	/cefs/higgs/zhangkl/Production/25036/E240_e1e1
2f	mm		240	100k	25.3.6	/cefs/higgs/zhangkl/Production/25036/E240_e2e2
2f	tautau		240	100k	25.3.6	/cefs/higgs/zhangkl/Production/25036/E240_e3e3
2f	ee->bb(withoutISR)		80	100k	25.3.6	/cefs/higgs/zhangkl/Production/25036/E80_eebb_woisr
2f	ee->bb(withoutISR)		120	100k	25.3.6	/cefs/higgs/zhangkl/Production/25036/E120_eebb_woisr
2f	ee->bb(withoutISR)		160	100k	25.3.6	/cefs/higgs/zhangkl/Production/25036/E160_eebb_woisr
2f	ee->bb(withoutISR)		200	100k	25.3.6	/cefs/higgs/zhangkl/Production/25036/E200_eebb_woisr
H124.8	mm	inclusive	240	15k	25.3.7	
H24.95	mm	inclusive	240	15k	25.3.7	
H125.05	mm	inclusive	240	15k	25.3.7	
H125.2	mm	inclusive	240	15k	25.3.7	
ZH	ee	inclusive	240	1M	25.3.6	/cefs/higgs/zhangkl/Production/25036/E240_eetX
ZH	mm	inclusive	240	1M	25.3.6	/cefs/higgs/zhangkl/Production/25036/E240_mmtX
ZH	vv	inclusive	240	1M	25.3.6	/cefs/higgs/zhangkl/Production/25036/E240_vvtX

CEPC TDR Sample Production Index. Contact: Zhang Kaili(zhangkl@ihep.ac.cn)

Process	Z process	H process	ECM_GeV	Path
ZH	mm	bb	240	/cefs/higgs/zhangkl/Production/25035/E91.2_eebb
ZH	mm	cc	240	/cefs/higgs/zhangkl/Production/25035/E91.2_eecc
ZH	mm	tautau	240	/cefs/higgs/zhangkl/Production/25035/E91.2_eedd
ZH	mm	ww(fullhad)	240	/cefs/higgs/zhangkl/Production/25035/E91.2_euuu
ZH	mm	zz(fullhad)	240	/cefs/higgs/zhangkl/Production/25035/E91.2_eess
ZH	mm	gg	240	/cefs/higgs/zhangkl/Production/25036/E91.2_eebb_woisr
ZH	mm	ss	240	/cefs/higgs/zhangkl/Production/25036/E91.2_eedd
ZH	bb		91.2	/cefs/higgs/zhangkl/Production/25036/E91.2_eecc
ZH	cc		91.2	/cefs/higgs/zhangkl/Production/25036/E91.2_eedd
ZH	dd		91.2	/cefs/higgs/zhangkl/Production/25036/E91.2_euuu
ZH	uu		91.2	/cefs/higgs/zhangkl/Production/25036/E91.2_eess
ZH	ss		91.2	/cefs/higgs/zhangkl/Production/25036/E91.2_eedd
ZH	ee	inclusive	240	/cefs/higgs/zhangkl/Production/25036/E80_eebb_woisr
ZH	mm	inclusive	240	/cefs/higgs/zhangkl/Production/25036/E120_eebb_woisr
ZH	qq	inclusive	240	/cefs/higgs/zhangkl/Production/25036/E160_eebb_woisr
ZH	vv	inclusive	240	/cefs/higgs/zhangkl/Production/25036/E200_eebb_woisr
ZH	tautau	inclusive	240	/cefs/higgs/zhangkl/Production/25036/E240_eetX
2f	ee		240	/cefs/higgs/zhangkl/Production/25036/E240_mmtX
2f	mm		240	/cefs/higgs/zhangkl/Production/25036/E240_vvtX
2f	tautau		240	/cefs/higgs/zhangkl/Production/25036/E240_eetX
2f	qq		240	/cefs/higgs/zhangkl/Production/25036/E240_mmtX
2f	bb		91.2	/cefs/higgs/zhangkl/Production/25036/E240_vvtX
2f	dd		91.2	/cefs/higgs/zhangkl/Production/25036/E240_vvtX
2f	uu		91.2	/cefs/higgs/zhangkl/Production/25036/E240_vvtX
2f	cc		91.2	/cefs/higgs/zhangkl/Production/25036/E240_vvtX

JOI Chapter in TDR

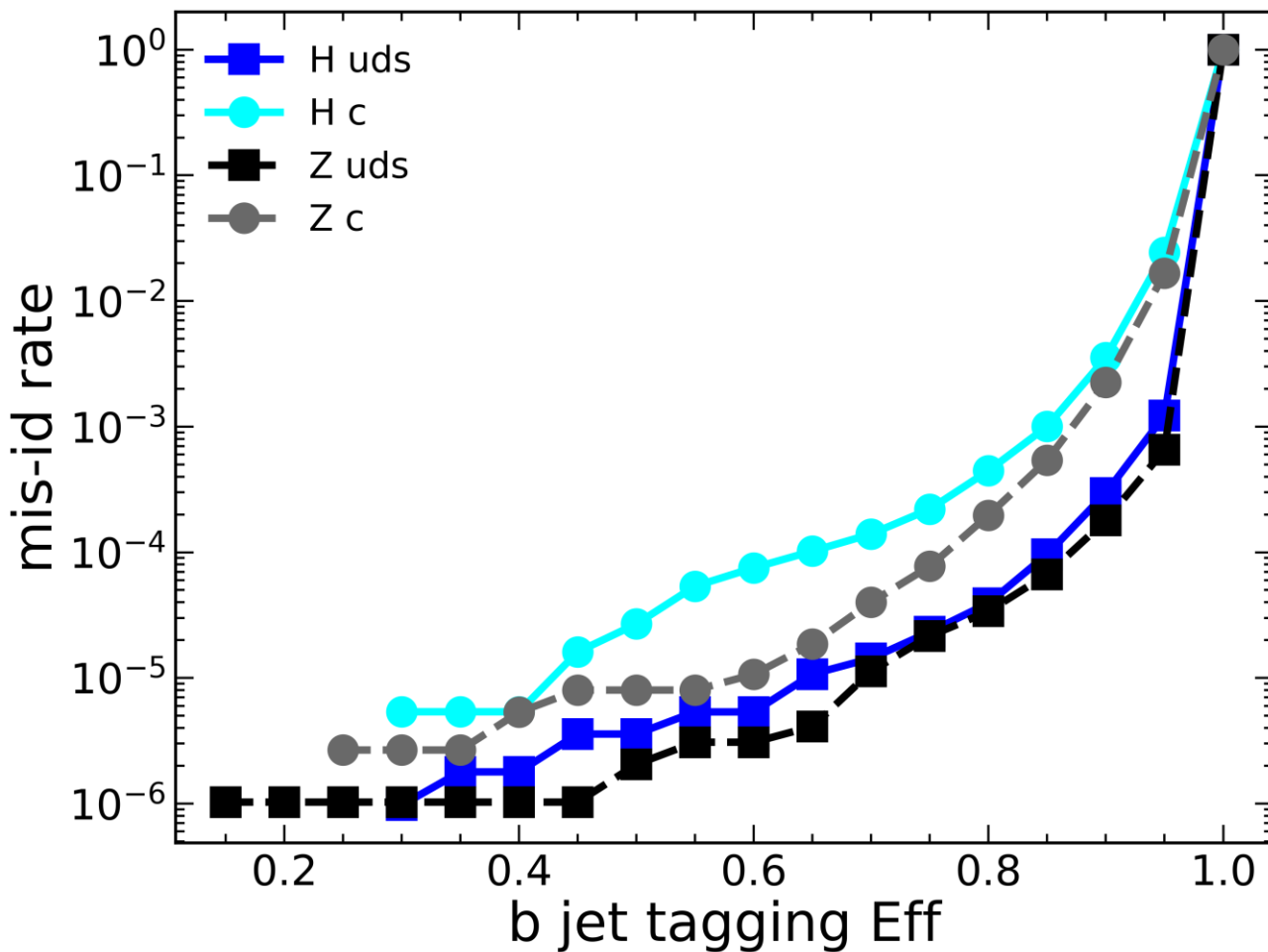


3 scenarios:

1. Train with Hqq, test in Hqq.
2. Train with Zqq, test in Zqq.
3. Train with Hqq, test in Zqq.

Compare 2. and 3. to see the generalization power.

CEPC Ref-TDR



CEPC Ref-TDR

