scenario overview

Scenario Name	Publication	Coll.	Observable	Binning	Jet Algorithm	Theory
Tevatron Run I						
fnt1001	ph/0102074	CDF	incl jet	ET (eta)	midp,rsep	LO,NLO,TrCr
fnt1002	ex/0011036	D0	incl jet	ET, eta	midp,rsep	LO,NLO,TrCr
fnt1003	ex/0012013	CDF	dijet	ET, eta1,2	midp,rsep	LO, NLO
fnt1004	ex/0012046	D0	incl jet 630	ET (eta)	midp,rsep	LO,NLO,TrCr
fnt1005	ex/0012046	D0	incl jet 630	ET (eta)	midp,rsep	LO,NLO,TrCr
fnt1006 xxx	1993)	CDF	incl jet 546	ET (eta)	midp,rsep	LO,NLO,TrCr
fnt1007	ex/9912022	CDF	dijet	Mjj	midp,rsep	LO, NLO
fnt1008	ex/0012046	D0	dijet	Mjj	midp,rsep	LO, NLO
fnt1009	ex/0012046	D0	dijet	chi, Mjj	midp,rsep	LO, NLO
fnt1010	ex/9609011	CDF	dijet	chi, Mjj	midp,rsep	LO, NLO
fnt1011	1993)	CDF	incl jet 546	ET (eta)	midp,rsep	LO,NLO,TrCr
fnt1012	ex/0012046	D0	dijet ratio	Mjj/eta	midp,rsep	LO, NLO
fnt100a	RunI	(D0)	incl jet	pT		
Tevatron Run II						
fnt2001-diff	ex/0409040	D0	dijet	DPhi, pT	midp	LO, NLO
fnt2001-norm	ex/0409040	D0	dijet	DPhi, pT	midp	LO, NLO
fnt2002	ex/0512020	CDF	incl jet	pT (y)	midp,rsep	LO,NLO,TrCr
fnt2003	ex/0512062	CDF	incl jet	pT (y)	kT	LO,NLO,TrCr
fnt2004	ex/0701051	CDF	incl jet	pT, y	kT	LO,NLO,TrCr
fnt2005	ex/0701051	CDF	incl jet	pT (y)	kT	LO,NLO,TrCr
fnt2006	ex/0701051	CDF	incl jet	pT (y)	kT	LO,NLO,TrCr
fnt2007	ex/0807.2204	CDF	incl jet	pT, y	midp,rsep	LO,NLO,TrCr
fnt2008	prel	CDF	dijet	Mjj	midp,rsep	LO, NLO
fnt2009	ex/0802.2400	D0	incl jet	pT, y	midp, rsep	LO,NLO,TrCr
fnt2010	prel	D0	dijet	chi (Mjj)	midp,rsep	LO, NLO
fnt2011	construct.	D0	dijet	Mjj (ymax)	midp	LO, NLO
fnt2012		D0	three-jet	M3j		
fnt2013		D0	R3/2	pT		
fnt200a	pT bins	D0				
fnt2d0dij	syst					
fnt20xx	kT D-depend	CDF				
fnr20xy	cone					
HERA 820GeV						
fnh1001	ex/0010054	H1	incl jet	ET, Q2	kT	LO, NLO
fnh1002	ex/0208037	ZEUS	incl jet	ET, Q2	kT	LO, NLO
fnh1003	ex/0206029	H1	incl jet	ET, Q2	kT	LO, NLO
fnh1004	ex/0010054	H1	dijet	ET, Q2	kT	LO, NLO
fnh1005 zzz	ex/0508055	H1	fwd jet		kT	LO, NLO
fnh1006 zzz	test	ZEUS	fwd jet		kT	LO, NLO
fnh1007 xxx	ex/0608048	ZEUS	incl jet	ET, Q2	kT	LO, NLO
HERA 920GeV						
fnh2001	ex/0608048	ZEUS	incl jet	ET, Q2	kT	LO, NLO
fnh2002 xxx	ex/0701039	ZEUS	incl jet	(ET,D) (Q2,D)	kT	not yet
fnh2003	ex/07063722	H1	incl jet	ET, Q2	kT	LO, NLO
RHIC						
fnr0001		STAR	incl jet	pT (y)	kT	LO,NLO,TrCr

scenario overview

fnr0002		STAR	dijet	Mjj	midp	LO, NLO
LHC 14 TeV						
fnl0001 xxx						
fnl0002	2006-021	CMS	incl. jets	pT, y	kT 1.0	LO,NLO
fnl0003		CMS	incl. jets	pT, y	midp 0.7	LO,NLO
fnl0004	test	ATLAS	incl .jet	pT, y	kT	TrCr
fnl00xx	AC					
fnl00xy	normalization					
fnl0007		CMS	incl. jets	pT, y	kT 0.6	LO,NLO
fnl0008		CMS	incl. jets	pT, y	fj SC 0.7	LO,NLO
fnl0009		CMS	incl. jets	pT, y	midp 0.7	LO,NLO
fnl0010		CMS	incl. jets	pT, y	fj kT 0.6	LO,NLO
fnl0011		CMS	incl. jets	pT, y	fj MP 0.7	LO,NLO
fnl0017		CMS	incl. jets	pT, y	kT 0.4	LO,NLO
fnl0018		CMS	incl. jets	pT, y	fj SC 0.5	LO,NLO
fnl0019		CMS	incl. jets	pT, y	midp 0.5	LO,NLO
fnl0020		CMS	incl. jets	pT, y	fj kT 0.4	LO,NLO
fnl0021		CMS	incl. jets	pT, y	fj MP 0.5	LO,NLO
fnl0117		CMS	forward jets	pT, y	kT 0.4	LO,NLO
fnl0118		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl0118.x_06_2		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl0118.x_24_2		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl0118.x_48_2		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl0118.x_12_1		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl0217		CMS	forward jets	pT, eta	kT 0.4	LO,NLO
fnl0218	FWD-08-001	CMS	forward jets	pT, eta	fj SC 0.5	LO,NLO
LHC 10 TeV						
fnl1007		CMS	incl. jets	pT, y	kT 0.6	LO,NLO
6_2		CMS	incl. jets	pT, y	kT 0.6	LO,NLO
2_2		CMS	incl. jets	pT, y	kT 0.6	LO,NLO
4_2		CMS	incl. jets	pT, y	kT 0.6	LO,NLO
8_2		CMS	incl. jets	pT, y	kT 0.6	LO,NLO
2_1		CMS	incl. jets	pT, y	kT 0.6	LO,NLO
8_1		CMS	incl. jets	pT, y	kT 0.6	LO,NLO
fnl1008		CMS	incl. jets	pT, y	fj SC 0.7	LO,NLO
fnl1010		CMS	incl. jets	pT, y	fj kT 0.6	LO,NLO
fnl1018		CMS	incl. jets	pT, y	fj SC 0.5	LO,NLO
fnl1118		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl1118.x_06_2		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl1118.x_12_2		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl1118.x_24_2		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl1118.x_48_2		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl1118.x_06_1		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl1118.x_48_1		CMS	forward jets	pT, y	fj SC 0.5	LO,NLO
fnl1218		CMS	forward jets	pT, eta	fj SC 0.5	LO,NLO
LHC 7 TeV						
fnl2218		CMS	forward jets	pT, eta	fj SC 0.5	LO,NLO
fnl2308		CMS	incl. jets	pT, y	fj SC 0.7	LO,NLO
fnl2310		CMS	incl. jets	pT, y	fj kT 0.6	LO,NLO

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fnl2318	CMS	incl. jets	pT, y	fj SC 0.5	LO,NLO
fnl2320	CMS	incl. jets	pT, y	fj kT 0.5	LO,NLO
fnl2322	CMS	incl. jets	pT, y	fj ak 0.5	LO,NLO
fnl2323	CMS	incl. jets	pT, y	fj CA 0.5	LO,NLO
fnl2408	CMS	dijet mass	m_jj, eta	fj SC 0.7	LO,NLO
fnl2518norm	CMS	dijet dphi	pT, y	fj SC 0.5	LO,NLO
fnl2518diffpt1-6	CMS	dijet dphi	DPhi, pT	fj SC 0.5	LO,NLO

fastNLO scenario overview

Status	Nobs	Ndim	Scales	NxBin	NScaleBin	NScaleDim	
CEDAR: I,U		33	2 ET	12,10		1	1
CEDAR: I,U		90	2 ET	12,10		1	1
CEDAR: I,U		51	2 ET	12,12		1	1
CEDAR: I,U	20+20		2 ET	12,12		1	1
CEDAR: U			2 ET		12	1	1
			2 ET				1
CEDAR: I,U		18	1 ET		10	2	1
CEDAR: I,U		15	3 ET		10	2	1
CEDAR: I		62	2 ET		12	2	1
CEDAR: I		40	2 ET		12	2	1
CEDAR: I			2 ET				1
			2 ET		10	2	1
CEDAR: U		94	2 pT		12	2	1
CEDAR: U		4 ?1	pT		12	2	1
CEDAR: I,U			2 pT	12,10		1	1
CEDAR: I,U			2 pT		12	1	1
CEDAR: I,U			2 pT		12		1
CEDAR: I			2 pT		12		1
CEDAR: I			2 pT		12		1
CEDAR: I			2 pT		12		1
CEDAR: I		?	pT		10	2	1
CEDAR: I,U		110	2 T		12	1	1
		120	2 T		12	2	1
		71	2 T		11	2	1
CEDAR: I,U			0.5,1,2 ET		20	2 -	
CEDAR: I,U			0.5,1,2 ET		20	2 -	
CEDAR: I,U			0.5,1,2 ET			2 -	
CEDAR: I,U			0.5,1,2 ET		20	2 -	
CEDAR: I			0.5,1,2 ET		30	4 -	
CEDAR: I			0.5,1,2 ET		20	4 -	
			0.5,1,2 ET			-	
CEDAR: I,U			0.5,1,2 ET		12	3 -	
						-	
CEDAR: I,U			0.5,1,2 ET			4 -	
CEDAR: I,U			pT		12	1	1

	10	0.25,0.,1,2 pT	12	2	
		132 pT	12	1	1
		132 pT	12	1	1
CEDAR: I		T			1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	161	2 pT	12	1	1
	14	2 pT	12	1	1
	14	2 pT	12	1	1
	14	2 pT	6	1	1
	14	2 pT	24	1	1
	14	2 pT	48	1	1
	14	2 pT	12	1	1
	14	2 pT	12	1	1
	14	2 pT	12	1	1
	152	2 pT	12	1	1
	34	2 pT	6	1	1
	34	2 pT	12	1	1
	34	2 pT	24	1	1
	34	2 pT	48	1	1
	34	2 pT	6	1	1
	34	2 pT	48	1	1
	152	2 pT	12	1	1
	152	2 pT	12	1	1
	152	2 pT	12	1	1
	14	2 pT	12	1	1
	14	2 pT	6	1	1
	14	2 pT	12	1	1
	14	2 pT	24	1	1
	14	2 pT	48	1	1
	14	2 pT	6	1	1
	14	2 pT	48	1	1
	14	2 pT	12	1	1
	14	2 pT_jet	12	1	1
	164	2 pT_jet	12	1	1
	164	2 pT_jet	12	1	1

164	2 pT_jet	12	1	1
164	2 pT_jet	12	1	1
164	2 pT_jet	12	1	1
164	2 pT_jet	12	1	1
50	2 pT_jj_ave	20	1	1
6	2 pT_lead_jet	20	1	1
20	2 pT_lead_jet	20	1	1

scenario overview

INorm	Author	Precision	# Gevents	Works in v2	Comment
	0 mw,tk	0.5%,0.3%		ok	
	0 mw,tk	1%, 1%		ok	
	0 mw	0.4%, 0.4%		ok	
	0 mw			ok	sect @630
	0 mw			2ok	b:1800
	0 mw				b:1800
	0 mw			ok	
	0 mw			ok	
	1 mw			ok	
	1 mw			ok	
	0 mw			ok	xsect @546
	0 mw				pT
	0 mw,ok			eps	a
	0 mw			ok	b
	0 tk			ok	
	0 mw			ok	
	0 mw			ok	
	0 mw			ok	many y bins
	0 mw			ok	many y bins
	0 mw			ok	
	0 mw			ok	
	0 mw	typ. <0.1%		ok	
	mw			ok	
	mw				needed
	mw				
	mw				
	0 tk			BnSt	
	0 mw			ok	alpha_em
	0 tk			ok	
	0 tk			ok	
	0 tk			BnSt	
	0 tk			BnSt	
	0 mw				
	0 mw			ok	alpha_em
	0 tk				
	0 mw			ok	

0 mw	0,1%,0.2%	40G,138G	ok	
kr				our kT
kr				one
mw			ok	
kr				our fixed kT
kr				SISCone
kr				MidPointCone
kr				fastjet kT
kr				MidPointCone
kr				our fixed kT
kr				SISCone
kr				MidPointCone
kr				fastjet kT
kr				MidPointCone
kr				
kr				
kr				series
kr				series
kr				series
kr				far
kr				
kr				
kr				
kr				series
kr				series
kr				series
kr				series
kr				far
kr				far
kr				SISCone
kr				fastjet kT
kr				SISCone
kr				
kr				precision test
kr				precision test
kr				precision test
kr				precision test
kr				far
kr				far
kr				
kr		30, 30, 30, 6		
kr		30, 30, 30, 6		
kr		30, 30, 30, 6		

kr	30, 30, 30, 6
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kr	30, 30, 30, 6