

-- AnastasiaKaravdina - 2016-07-30

Tool mention on <https://twiki.cern.ch/twiki/bin/view/CMS/JERCReference> is used

Event	Jet #	$\backslash(p_T)$	$\backslash(\eta)$	Uncorrected $\backslash(p_T)$	Recorrected $\backslash(p_T)$ (using new JEC)	Smeared $\backslash(p_T)$ (jet smeared after new JEC)	JEC uncertainty (%)
273503:25:29427971	#1	358.673	-3.13621	335.056	324.237	324.237	3.76381
	#2	194.26	-0.978143	178.608	198.285	198.285	0.692671
	#3	40.6817	-0.154941	38.1397	40.9336	40.9336	2.68488
	#4	24.5902	3.31987	22.2397	24.5684	24.5684	7.08134
	#5	12.496	-4.22549	11.4244	13.8019	13.8019	8.69652
	#6	10.6918	-1.67558	9.1963	10.8076	10.8076	7.41638
	#7	10.5463	-2.8922	7.81503	12.6268	12.6268	12.2688
Event		MET $\backslash(p_T)$ (with Type-1)	MET $\backslash(\varphi)$	MET Uncorrected $\backslash(p_T)$	Recorrected MET $\backslash(p_T)$	Smeared MET $\backslash(p_T)$	
273503:25:29427971		141.643	-2.79391	131.634	102.831	102.831	

Event	Jet #	$\backslash(p_T)$	$\backslash(\eta)$	Uncorrected $\backslash(p_T)$	Recorrected $\backslash(p_T)$ (using new JEC)	Smeared $\backslash(p_T)$ (jet smeared after new JEC)	JEC uncertainty (%)
273503:25:29006340	#1	168.826	2.79761	155.41	187.054	187.054	1.12679
	#2	125.783	-0.276457	119.259	127.548	127.548	0.973011
	#3	93.9663	0.749522	89.4903	96.186	96.186	1.27798
	#4	26.6335	-0.144934	25.2028	26.7731	26.7731	3.70622
Event		MET $\backslash(p_T)$ (with Type-1)	MET $\backslash(\varphi)$	MET Uncorrected $\backslash(p_T)$	Recorrected MET $\backslash(p_T)$	Smeared MET $\backslash(p_T)$	
273503:25:29006340		12.9265	0.129343	16.6929	2.21954	2.21954	

Event	Jet #	$\backslash(p_T)$	$\backslash(\eta)$	Uncorrected $\backslash(p_T)$	Recorrected $\backslash(p_T)$ (using new JEC)	Smeared $\backslash(p_T)$ (jet smeared after new JEC)	JEC uncertainty (%)
273503:25:28508681	#1	179.898	-1.19539	163.494	183.864	183.864	0.723698
	#2	114.073	1.78395	100.781	115.066	115.066	1.10966
	#3	82.1828	-0.683246	80.6656	84.0406	84.0406	1.4511
	#4	62.679	-0.966807	59.32	64.0377	64.0377	1.89681
	#5	47.5624	0.00745349	47.5736	47.655	47.655	2.37634
	#6	34.1494	-0.753789	33.1368	34.9396	34.9396	3.06202
	#7	28.418	1.77748	25.325	28.6625	28.6625	3.87706
	#8	18.012	1.97318	16.4502	18.2426	18.2426	5.69338
	#9	16.2907	-0.692042	17.7427	16.6221	16.6221	5.1368
	#10	12.8	3.87012	18.3087	14.9401	14.9401	7.93437

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	#11	12.6346	3.23834	15.9531	13.3885	13.3885	9.38442
	#12	12.4873	4.24674	16.4078	14.4492	14.4492	8.58269
	#13	10.8626	-2.36381	9.47874	10.9929	10.9929	10.4661
	#14	10.0733	2.22338	9.33946	10.0887	10.0887	10.9591
	#15	10.0596	3.91837	15.8329	11.974	11.974	9.15079
Event		MET \(p_T) (with Type-1)	MET \(\varphi)	MET Uncorrected \(p_T)	Recorrected MET \(\(p_T)	Smearred MET \(p_T)	
273503:25:28508681		33.3421	1.10696	33.2126	35.146	35.146	

Event	Jet #	\(p_T)	\(\eta)	Uncorrected \(p_T)	Recorrected \(p_T) (using new JEC)	Smearred \(p_T) (jet smearred after new JEC)	JEC uncertainty (%)
273503:25:28486230	#1	518.328	-0.0575052	487.671	521.36	521.36	1.06179
	#2	507.3	-0.134478	475.953	510.265	510.265	1.04672
	#3	38.761	1.44946	35.345	38.875	38.875	2.90568
	#4	37.4582	-3.12816	33.5117	37.4007	37.4007	6.25397
	#5	29.388	0.99024	28.4155	30.1111	30.1111	3.51087
	#6	11.8999	-1.2237	12.2094	12.2304	12.2304	6.57738
	#7	10.857	-2.37292	8.73611	11.1828	11.1828	10.335
Event		MET \(p_T) (with Type-1)	MET \(\varphi)	MET Uncorrected \(p_T)	Recorrected MET \(\(p_T)	Smearred MET \(p_T)	
273503:25:28486230		43.4128	2.93389	40.5033	43.9209	43.9209	

Event	Jet #	\(p_T)	\(\eta)	Uncorrected \(p_T)	Recorrected \(p_T) (using new JEC)	Smearred \(p_T) (jet smearred after new JEC)	JEC uncertainty (%)
273503:25:29116943	#1	371.92	0.364373	350.267	376.886	376.886	0.840594
	#2	164.568	-2.15707	144.463	166.768	166.768	0.772401
	#3	159.58	-0.703916	150.426	163.21	163.21	0.771273
	#4	54.6695	1.27412	49.0991	55.799	55.799	2.16443
	#5	44.7048	1.79867	39.0743	45.0914	45.0914	2.65997
	#6	28.4916	-0.0250748	27.165	28.6221	28.6221	3.55368
	#7	14.8816	-3.56616	15.6503	15.8776	15.8776	7.69748
	#8	12.9501	2.23875	10.5544	13.2946	13.2946	8.62883
	#9	10.6057	3.20113	10.8422	10.9481	10.9481	10.5817
Event		MET \(p_T) (with Type-1)	MET \(\varphi)	MET Uncorrected \(p_T)	Recorrected MET \(\(p_T)	Smearred MET \(p_T)	
273503:25:29116943		34.3438	2.46815	19.215	36.2354	36.2354	

Event	Jet #	\(p_T)	\(\eta)	Uncorrected \(p_T)	Recorrected \(p_T) (using new JEC)	Smearred \(p_T) (jet smearred)	JEC uncertainty (%)
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						after new JEC)	
273503:25:28347971	#1	218.505	1.36379	194.309	219.443	219.443	0.680658
	#2	210.643	0.307344	200.431	213.49	213.49	0.677759
	#3	148.041	2.55267	134.997	153.586	153.586	0.878362
	#4	33.2645	1.76291	28.9746	33.5535	33.5535	3.41834
	#5	31.9525	0.516363	31.2949	32.4131	32.4131	3.27159
	#6	16.7674	3.11184	15.8046	16.9289	16.9289	8.27993
	#7	15.311	0.077466	14.8918	15.3407	15.3407	5.44141
	#8	10.7166	1.26317	10.4919	11.0249	11.0249	7.06065
Event		MET $\backslash(p_T)$ (with Type-1)	MET $\backslash(\varphi)$	MET Uncorrected $\backslash(p_T)$	Recorrected MET $\backslash(p_T)$	Smearred MET $\backslash(p_T)$	
273503:25:28347971		55.2421	-0.238682	66.025	62.0645	62.0645	

Event	Jet #	$\backslash(p_T)$	$\backslash(\eta)$	Uncorrected $\backslash(p_T)$	Recorrected $\backslash(p_T)$ (using new JEC)	Smearred $\backslash(p_T)$ (jet smearred after new JEC)	JEC uncertainty (%)
273503:25:28430925	#1	107.401	1.20778	97.8224	109.692	109.692	1.16041
	#2	83.8694	-1.95168	72.5267	85.174	85.174	1.51726
	#3	49.3733	1.34641	44.1168	49.4643	49.4643	2.38676
	#4	26.6116	2.21928	22.29	27.2579	27.2579	4.55704
	#5	21.6726	-0.268747	20.8267	21.9664	21.9664	4.24648
	#6	16.8842	2.31055	13.9936	17.3109	17.3109	6.83239
	#7	15.9672	2.63661	12.6648	16.6019	16.6019	9.1106
	#8	13.9979	-1.18537	13.1152	14.3448	14.3448	5.86753
	#9	12.5494	1.36568	11.3724	12.623	12.623	6.45974
	#10	10.8469	-3.20657	11.4015	11.164	11.164	10.4306
	#11	10.125	3.7386	12.2193	11.0636	11.0636	9.59871
Event		MET $\backslash(p_T)$ (with Type-1)	MET $\backslash(\varphi)$	MET Uncorrected $\backslash(p_T)$	Recorrected MET $\backslash(p_T)$	Smearred MET $\backslash(p_T)$	
273503:25:28430925		2.69892	0.738941	6.00294	1.76723	1.76723	

Event	Jet #	$\backslash(p_T)$	$\backslash(\eta)$	Uncorrected $\backslash(p_T)$	Recorrected $\backslash(p_T)$ (using new JEC)	Smearred $\backslash(p_T)$ (jet smearred after new JEC)	JEC uncertainty (%)
273503:25:28484508	#1	91.4892	1.6458	83.4406	91.802	91.802	1.38264
	#2	83.0986	-0.653999	80.3404	85.0238	85.0238	1.43571
	#3	14.5139	2.48924	11.927	14.994	14.994	8.06814
	#4	14.4979	3.87063	16.6787	16.3612	16.3612	7.47488
	#5	14.3563	-2.66154	12.5316	16.4995	16.4995	9.1403
	#6	11.0295	2.93552	10.6	13.2574	13.2574	12.0111
	#7	10.064	3.52592	13.825	11.2374	11.2374	9.51319
Event		MET $\backslash(p_T)$	MET $\backslash(\varphi)$	MET Uncorrected	Recorrected MET $\backslash(p_T)$	Smearred MET $\backslash(p_T)$	

		(with Type-1)		$\backslash(p_T)$			
273503:25:28484508		26.4892	1.16352	29.2157	37.2914	37.2914	

Event	Jet #	$\backslash(p_T)$	$\backslash(\eta)$	Uncorrected $\backslash(p_T)$	Recorrected $\backslash(p_T)$ (using new JEC)	Smeared $\backslash(p_T)$ (jet smeared after new JEC)	JEC uncertainty (%)
273503:25:28697032	#1	189.762	2.5977	175.606	196.496	196.496	0.804998
	#2	187.05	-0.501342	176.842	189.612	189.612	0.703984
	#3	10.0524	3.15313	10.895	10.4685	10.4685	10.8742
Event		MET $\backslash(p_T)$ (with Type-1)	MET $\backslash(\varphi)$	MET Uncorrected $\backslash(p_T)$	Recorrected MET $\backslash(p_T)$	Smeared MET $\backslash(p_T)$	
273503:25:28697032		25.6629	2.16478	21.4464	30.0254	30.0254	

Event	Jet #	$\backslash(p_T)$	$\backslash(\eta)$	Uncorrected $\backslash(p_T)$	Recorrected $\backslash(p_T)$ (using new JEC)	Smeared $\backslash(p_T)$ (jet smeared after new JEC)	JEC uncertainty (%)
273503:25:28610644	#1	90.7423	1.1659	84.2109	92.7006	92.7006	1.37066
	#2	90.0738	3.31453	91.7319	88.6654	88.6654	3.52732
	#3	21.281	-2.26221	17.7933	21.685	21.685	5.75647
	#4	12.7474	-2.4665	10.6392	13.0358	13.0358	9.64949
	#5	11.4255	-0.246795	12.5589	11.3602	11.3602	6.80167
	#6	10.6993	2.55945	9.9611	10.6955	10.6955	11.1734
Event		MET $\backslash(p_T)$ (with Type-1)	MET $\backslash(\varphi)$	MET Uncorrected $\backslash(p_T)$	Recorrected MET $\backslash(p_T)$	Smeared MET $\backslash(p_T)$	
273503:25:28610644		37.452	2.11334	33.577	39.6233	39.6233	

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Topic revision: r1 - 2016-07-30 - AnastasiaKaravdina



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