

Z+Jet

Figure 1 consists of two panels. The top panel is a plot of the transverse momentum distribution $\frac{1}{N} \frac{dN}{d \ln p_T}$ versus $\ln p_T$ (GeV). It compares CMS data (black squares) with three Pythia 6.428 models: Pythia 6.428 370 (red triangles), Pythia 6.428 391 (purple squares), and Pythia 6.428 default (orange squares). The bottom panel is a plot of the ratio of the width to the CMS width versus width. It shows a green band representing the 1-sigma uncertainty and a yellow band representing the 2-sigma uncertainty. The ratio is 1.0 for width = 0.5 and increases to 2.0 for width = 1.0.

CMS 2021 I1920187

Rivet 3.1.10, $\geq 2.6\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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