

Observable	JES		JER	Model	Trigger	Vertex	Lum.	Stat.	Total	
	Upper	Lower							Upper	Lower
Absolute Cross Section										
$p_{T,1st}$	11-39	9-30	2-26	0-16	< 1	< 1	2.5	1-10	11-51	10-44
$p_{T,2nd}$	11-31	10-24	0-2	0-7	< 1	< 1	2.5	1-8	14-33	11-26
$p_{T,3rd}$	1-31	7-24	1-3	2-7	< 1	< 1	2.5	2-15	13-33	13-25
$p_{T,4th}$	10-25	0-21	1-8	2-7	< 1	< 1	2.5	4-31	14-34	13-32
η_1	22-33	18-28	< 1	1-9	< 1	< 1	2.5	3-5	22-34	19-29
η_2	22-30	18-26	< 1	0-6	< 1	< 1	2.5	3-6	23-31	18-26
η_3	21-29	18-24	< 1	0-7	< 1	< 1	2.5	3-5	22-30	19-25
η_4	19-29	16-24	< 1	1-8	< 1	< 1	2.5	3-4	19-30	17-25
$\Delta\phi_{soft}$	21-24	19-20	< 1	1-7	< 1	< 1	2.5	3-4	22-25	20-22
$\Delta\phi_{3j}^{min}$	21-28	18-24	< 1	1-6	< 1	< 1	2.5	3-7	21-29	19-25
ΔY	22-25	16-33	< 1	0-6	< 1	< 1	2.5	3-6	23-26	17-34
ϕ_{ij}	23-26	19-22	< 1	0-7	< 1	< 1	2.5	3-4	24-27	19-22
$\Delta p_{T,soft}$	22-25	19-20	0-3	2-6	< 1	< 1	2.5	3-4	23-26	19-21
ΔS	4-34	13-20	< 1	0-5	< 1	< 1	2.5	3-13	12-37	15-22
Bin-normalized Cross Section										
$\Delta\phi_{soft}$	0-1	0-1	< 1	0-4	< 1	< 1	-	3-4	3-6	3-6
$\Delta\phi_{3j}^{min}$	0-5	0-4	< 1	0-4	< 1	< 1	-	3-7	4-8	3-8
ΔY	0-2	0-18	< 1	0-5	< 1	< 1	-	3-6	3-10	3-21
ϕ_{ij}	0-3	0-2	< 1	0-4	< 1	< 1	-	3-4	3-6	3-6
$\Delta p_{T,soft}$	0-2	0-2	0-2	0-2	< 1	< 1	-	3-4	3-5	3-5
ΔS	0-16	0-7	< 1	0-7	< 1	< 1	-	3-13	3-22	3-15
σ_{eff} Extraction										
ϵ_{4j}	11	20	-	-	< 1	< 1	-	< 1	11	20
η_A	7-28	6-24	< 1	0-6	< 1	< 1	2.5	2-4	9-29	8-25
η_B	1-11	1-14	< 1	0-6	< 1	< 1	2.5	2-3	5-11	5-24
ΔS_{DPS}	7-19	15-24	< 1	0-3	< 1	< 1	2.5	1-2	7-19	15-25