

40GeV, 20 GeV, 2 ns

Selections	N events	cut efficiency [%]
Total	115138.123	100
$\geq 1\text{trigger} + \geq 1\text{lep}$	60409.7701	52.5
el trigger	28360.1886	24.6
mu trigger	32550.1224	28.3
Trigger+ $\geq 1\text{lep} + \geq 1\text{ph}$	24632.1783	40.8
1ph	17825.795	49.5
$\geq 2\text{ph}$	6806.38335	18.7
Trigger+ $\geq 1\text{lep} + \geq 1\text{ph} + \text{CR}$	8807.6453	35.8
1ph CR	6276.74755	16.9
$\geq 2\text{ph CR}$	2530.89775	6.83

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Selections	N events	cut efficiency [%]
Total	115755.75	100
$\geq 1\text{trigger} + \geq 1\text{lep}$	60182.8302	52
el trigger	28158.7894	24.3
mu trigger	32484.2456	28.1
Trigger+ $\geq 1\text{lep} + \geq 1\text{ph}$	24938.3003	41.4
1ph	18217.8276	50.9
$\geq 2\text{ph}$	6720.47274	18.1
Trigger+ $\geq 1\text{lep} + \geq 1\text{ph} + \text{CR}$	9087.30404	36.4
1ph CR	6644.6254	17.9
$\geq 2\text{ph CR}$	2442.67864	6.52

40GeV, 20 GeV, 10 $\rightarrow$ 5 ns

Selections	N events	cut efficiency [%]
Total	114823.373	100
$\geq 1\text{trigger}+\geq 1\text{lep}$	60113.1801	52.4
el trigger	28213.8591	24.6
mu trigger	32359.192	28.2
Trigger+ $\geq 1\text{lep}+\geq 1\text{ph}$	16416.6357	27.3
1ph	13755.1709	57.6
$\geq 2\text{ph}$	2661.46479	11
Trigger+ $\geq 1\text{lep}+\geq 1\text{ph}+\text{CR}$	5641.45323	34.4
1ph CR	4745.1704	19.4
$\geq 2\text{ph CR}$	896.28283	3.72

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Selections	N events	cut efficiency [%]
Total	117351.436	100
$\geq 1\text{trigger}+\geq 1\text{lep}$	61522.3187	52.4
el trigger	28546.3342	24.3
mu trigger	33391.7459	28.5
Trigger+ $\geq 1\text{lep}+\geq 1\text{ph}$	16675.7114	27.1
1ph	13978.7985	58.7
$\geq 2\text{ph}$	2696.91292	11
Trigger+ $\geq 1\text{lep}+\geq 1\text{ph}+\text{CR}$	5474.04166	32.8
1ph CR	4555.89591	17.6
$\geq 2\text{ph CR}$	918.145756	3.75

40GeV, 20 GeV, 10 ns

Selections	N events	cut efficiency [%]
Total	115121.911	100
≥ 1trigger+≥ 1lep	60434.3492	52.5
el trigger	28505.8954	24.8
mu trigger	32396.6689	28.1
Trigger+≥ 1lep+≥ 1ph	10556.5236	17.5
1ph	9467.5688	61.6
≥ 2ph	1088.95482	7.14
Trigger+≥ 1lep+≥ 1ph+CR	3521.39422	33.4
1ph CR	3172.15634	20
≥ 2ph CR	349.237873	2.3

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1ph	9467.5688	61.6
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Trigger+≥ 1lep+≥ 1ph+CR	3521.39422	33.4
1ph CR	3172.15634	20
≥ 2ph CR	349.237873	2.3

60GeV, 0 GeV, 2 ns

Selections	N events	cut efficiency [%]
Total	95180.7871	100
$\geq 1\text{trigger} + \geq 1\text{lep}$	49917.9567	52.4
el trigger	23483.6709	24.7
mu trigger	26838.1234	28.2
$\text{Trigger} + \geq 1\text{lep} + \geq 1\text{ph}$	23120.4312	46.3
1ph	13609.7749	40.3
$\geq 2\text{ph}$	9510.65624	28
$\text{Trigger} + \geq 1\text{lep} + \geq 1\text{ph} + \text{CR}$	8893.79347	38.5
1ph CR	5145.15813	14.9
$\geq 2\text{ph CR}$	3748.63534	11.4

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el trigger	23483.6709	24.7
mu trigger	26838.1234	28.2
$\text{Trigger} + \geq 1\text{lep} + \geq 1\text{ph}$	23120.4312	46.3
1ph	13609.7749	40.3
$\geq 2\text{ph}$	9510.65624	28
$\text{Trigger} + \geq 1\text{lep} + \geq 1\text{ph} + \text{CR}$	8893.79347	38.5
1ph CR	5145.15813	14.9
$\geq 2\text{ph CR}$	3748.63534	11.4

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Selections	N events	cut efficiency [%]
Total	94471.2619	100
$\geq 1\text{trigger} + \geq 1\text{lep}$	48288.959	51.1
el trigger	22634.513	24
mu trigger	25972.203	27.5
$\text{Trigger} + \geq 1\text{lep} + \geq 1\text{ph}$	21450.7987	44.4
1ph	12606.9364	39.5
$\geq 2\text{ph}$	8843.86222	28.4
$\text{Trigger} + \geq 1\text{lep} + \geq 1\text{ph} + \text{CR}$	8298.69516	38.7
1ph CR	4765.82467	15
$\geq 2\text{ph CR}$	3532.87049	12.2

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Selections	N events	cut efficiency [%]
Total	94978.2709	100
$\geq 1\text{trigger} + \geq 1\text{lep}$	49313.4865	51.9
el trigger	23229.6073	24.5
mu trigger	26475.1929	27.9
Trigger+ $\geq 1\text{lep} + \geq 1\text{ph}$	16277.1552	33
1ph	11822.1761	48.8
$\geq 2\text{ph}$	4454.97907	18.4
Trigger+ $\geq 1\text{lep} + \geq 1\text{ph} + \text{CR}$	5974.11452	36.7
1ph CR	4402.92337	18.1
$\geq 2\text{ph CR}$	1571.19116	7.12

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Selections	N events	cut efficiency [%]
Total	90678.4858	100
$\geq 1\text{trigger} + \geq 1\text{lep}$	48520.8083	53.5
el trigger	23776.2017	26.2
mu trigger	25109.9493	27.7
Trigger+ $\geq 1\text{lep} + \geq 1\text{ph}$	16514.0877	34
1ph	12014.9911	49.7
$\geq 2\text{ph}$	4499.09661	18.6
Trigger+ $\geq 1\text{lep} + \geq 1\text{ph} + \text{CR}$	6164.35218	37.3
1ph CR	4599.12917	19.5
$\geq 2\text{ph CR}$	1565.22302	6.77

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Selections	N events	cut efficiency [%]
Total	95135.3019	100
≥ 1trigger+≥ 1lep	49843.2132	52.4
el trigger	23518.1271	24.7
mu trigger	26733.9968	28.1
Trigger+≥ 1lep+≥ 1ph	11620.5335	23.3
1ph	9575.06806	55.8
≥ 2ph	2045.46545	11.8
Trigger+≥ 1lep+≥ 1ph+CR	4128.29128	35.5
1ph CR	3459.67931	19.9
≥ 2ph CR	668.611967	4.25

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mu trigger	26733.9968	28.1
Trigger+≥ 1lep+≥ 1ph	11620.5335	23.3
1ph	9575.06806	55.8
≥ 2ph	2045.46545	11.8
Trigger+≥ 1lep+≥ 1ph+CR	4128.29128	35.5
1ph CR	3459.67931	19.9
≥ 2ph CR	668.611967	4.25