Electron	H1 Data	SM expectation	SM Signal	Other SM processes
$P_T^X < 12$ GeV	5	6.40 ± 0.79	4.45 ± 0.70	1.95 ± 0.36
$12 < P_T^X < 25$ GeV	1	1.96 ± 0.27	1.45 ± 0.24	0.51 ± 0.12
$25 < P_T^X < 40$ GeV	1	0.95 ± 0.14	0.82 ± 0.13	0.13 ± 0.04
$P_T^X > 40$ GeV	3	0.54 ± 0.11	0.45 ± 0.11	0.09 ± 0.04

Table 0.1: Observed and predicted numbers of events in the electron channel for all e^+p data.

Muon	H1 Data	SM expectation	SM Signal	Other SM processes
$12 < P_T^X < 25$ GeV	2	1.11 ± 0.19	0.94 ± 0.18	0.17 ± 0.05
$25 < P_T^X < 40$ GeV	3	0.89 ± 0.14	0.77 ± 0.14	0.12 ± 0.03
$P_T^X > 40$ GeV	3	0.55 ± 0.12	0.51 ± 0.12	0.04 ± 0.01

Table 0.2: Observed and predicted numbers of events in the muon channel for all e^+p data.

Electron and Muon	H1 Data	SM expectation	SM Signal	Other SM processes
$P_T^X < 12$ GeV	5	6.40 ± 0.79	4.45 ± 0.70	1.95 ± 0.36
$12 < P_T^X < 25$ GeV	3	3.08 ± 0.43	2.40 ± 0.40	0.68 ± 0.14
$25 < P_T^X < 40$ GeV	4	1.83 ± 0.27	1.59 ± 0.26	0.24 ± 0.06
$P_T^X > 40$ GeV	6	1.08 ± 0.22	0.96 ± 0.22	0.12 ± 0.04

Table 0.3: Observed and predicted numbers of events in the electron and muon channels combined for all e^+p data. Only the electron channel contributes for $P_T^X < 12$ GeV.

Electron	H1 Data	SM expectation	SM Signal	Other SM processes
Total	10	9.85 ± 1.27	7.17 ± 1.17	2.68 ± 0.49
$P_T^X < 25$ GeV	6	8.36 ± 1.04	5.90 ± 0.94	2.46 ± 0.45
$P_T^X > 25$ GeV	4	1.48 ± 0.25	1.27 ± 0.24	0.22 ± 0.06
$P_T^X > 40$ GeV	3	0.54 ± 0.11	0.45 ± 0.11	0.09 ± 0.04
Muon	H1 Data	SM expectation	SM Signal	Other SM processes
Total	8	2.55 ± 0.44	2.23 ± 0.43	0.33 ± 0.08
$P_T^X < 25$ GeV	2	1.11 ± 0.19	0.94 ± 0.18	0.17 ± 0.05
$P_T^X > 25$ GeV	6	1.44 ± 0.25	1.29 ± 0.25	0.15 ± 0.04
$P_T^X > 40$ GeV	3	0.55 ± 0.12	0.51 ± 0.12	0.04 ± 0.01
Electron and Muon	H1 Data	SM expectation	SM Signal	Other SM processes
Total	18	12.40 ± 1.69	9.40 ± 1.60	3.00 ± 0.53
$P_T^X < 25$ GeV	8	9.48 ± 1.21	6.85 ± 1.12	2.64 ± 0.48
$P_T^X > 25$ GeV	10	2.92 ± 0.49	2.55 ± 0.49	0.37 ± 0.09
$P_T^X > 40$ GeV	6	1.08 ± 0.22	0.96 ± 0.22	0.12 ± 0.04

Table 0.4: Observed and predicted numbers of events in the electron and muon channels combined for all e^+p data. Only the electron channel contributes for $P_T^X < 12$ GeV.

Electron	H1 Data	SM expectation	SM Signal	Other SM processes
Total	1	1.69 ± 0.22	1.00 ± 0.16	0.69 ± 0.15
$P_T^X < 25$ GeV	0	1.41 ± 0.18	0.82 ± 0.13	0.59 ± 0.12
$P_T^X > 25$ GeV	1	0.28 ± 0.04	0.18 ± 0.04	0.10 ± 0.03
$P_T^X > 40$ GeV	0	0.12 ± 0.02	0.07 ± 0.02	0.05 ± 0.01
Muon	H1 Data	SM expectation	SM Signal	Other SM processes
Total	0	0.37 ± 0.06	0.29 ± 0.06	0.08 ± 0.02
$P_T^X < 25$ GeV	0	0.13 ± 0.02	0.11 ± 0.02	0.02 ± 0.01
$P_T^X > 25$ GeV	0	0.24 ± 0.04	0.18 ± 0.04	0.06 ± 0.01
$P_T^X > 40$ GeV	0	0.09 ± 0.02	0.08 ± 0.02	0.02 ± 0.01
Electron and Muon	H1 Data	SM expectation	SM Signal	Other SM processes
Total	1	2.06 ± 0.28	1.30 ± 0.23	0.76 ± 0.16
$P_T^X < 25$ GeV	0	1.54 ± 0.20	0.93 ± 0.16	0.61 ± 0.13
$P_T^X > 25$ GeV	1	0.52 ± 0.08	0.37 ± 0.07	0.15 ± 0.04
$P_T^X > 40$ GeV	0	0.21 ± 0.04	0.14 ± 0.03	0.07 ± 0.02

Table 0.5: Observed and predicted numbers of events in the electron and muon channels combined for all e^-p data. Only the electron channel contributes for $P_T^X < 12$ GeV.

1994-2000 $e^{\pm}p$		Electron obs./exp. ($W^{\pm}$ contribution)	Muon obs./exp. ($W^{\pm}$ contribution)
H1 118.4 pb^{-1}	Full sample	11 / $11.54 \ \pm 1.50$ (71%)	8 / $2.94 \ \pm 0.50$ (86%)
	$p_T^{\mathrm{X}} > 25\,\mathrm{GeV}$	5 / $1.76 \ \pm 0.30$ (82%)	6 / $1.68 \ \pm 0.30$ (88%)
	$p_T^{\mathrm{X}} > 40\,\mathrm{GeV}$	3 / $0.66 \ \pm 0.13$ (80%)	3 / $0.64 \ \pm 0.14$ (92%)

Table 0.6: Summary of the H1 results of searches for events with isolated leptons, missing transverse momentum and large p_T^{had} at HERA. The number of observed events is compared to the SM prediction. The $W^{\pm}$ component is given in parentheses in percent. The statistical and systematic uncertainties added in quadrature are also indicated.