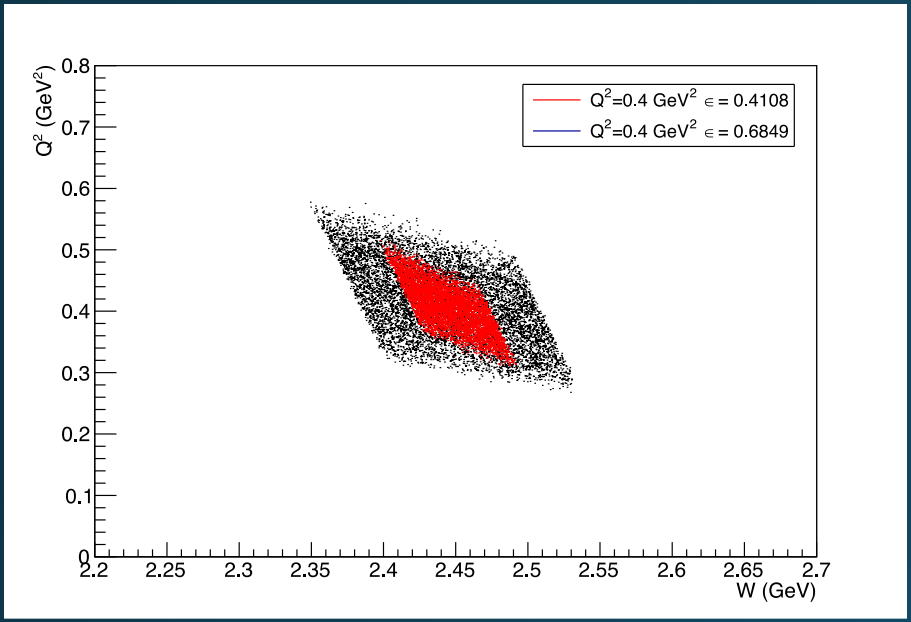
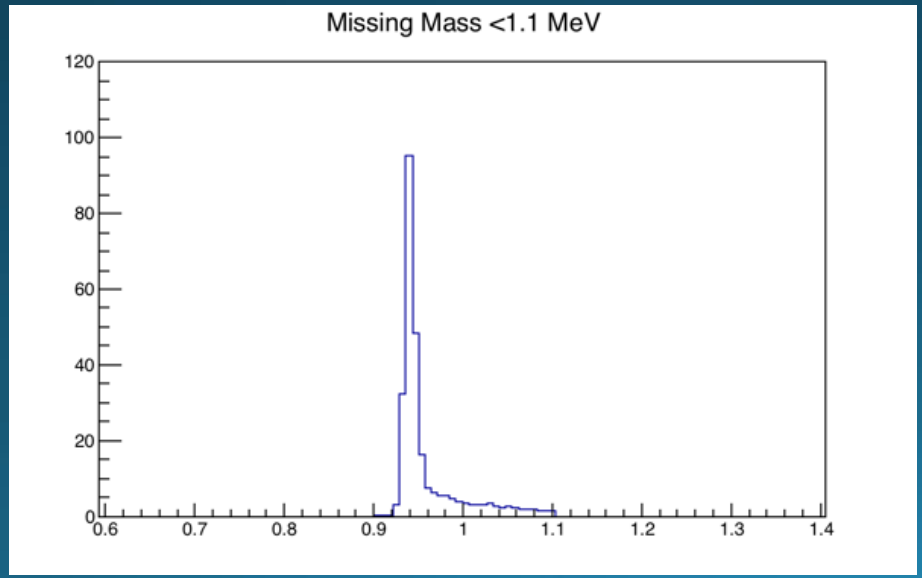
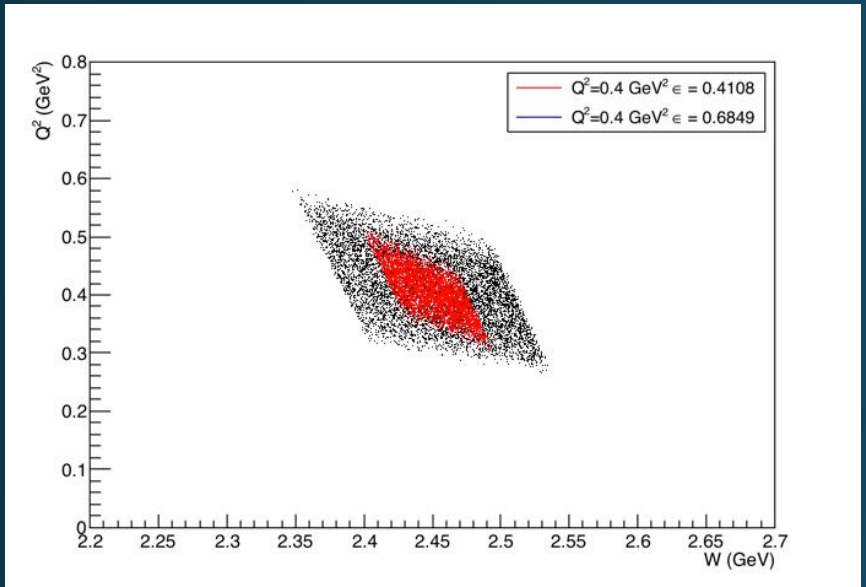
Pions in p(e,e'K+) experiment

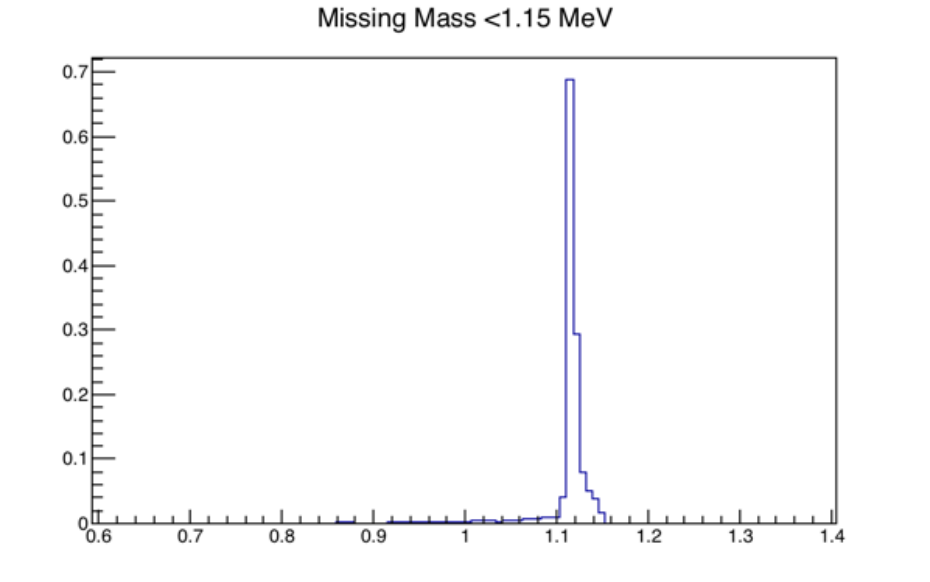




- Q^2 = 0.400 GeV^2 and W = 2.45 GeV
  - Pions@ low epsilon: 2.71 x 10^6
  - Pions @ high epsilon: 5.66 x 10^6
  - Standard cuts applied:
    - hsdelta: -8 to 8
    - ssdelta: -10 to 22;
    - hsyptar: -0.1 to 0.1
    - hsxptar: -0.1 to 0.1
    - Ssxptar: -0.04 to 0.04
    - Ssyptar: -0.06 to 0.06
    - **Missing mass cut <1.1**

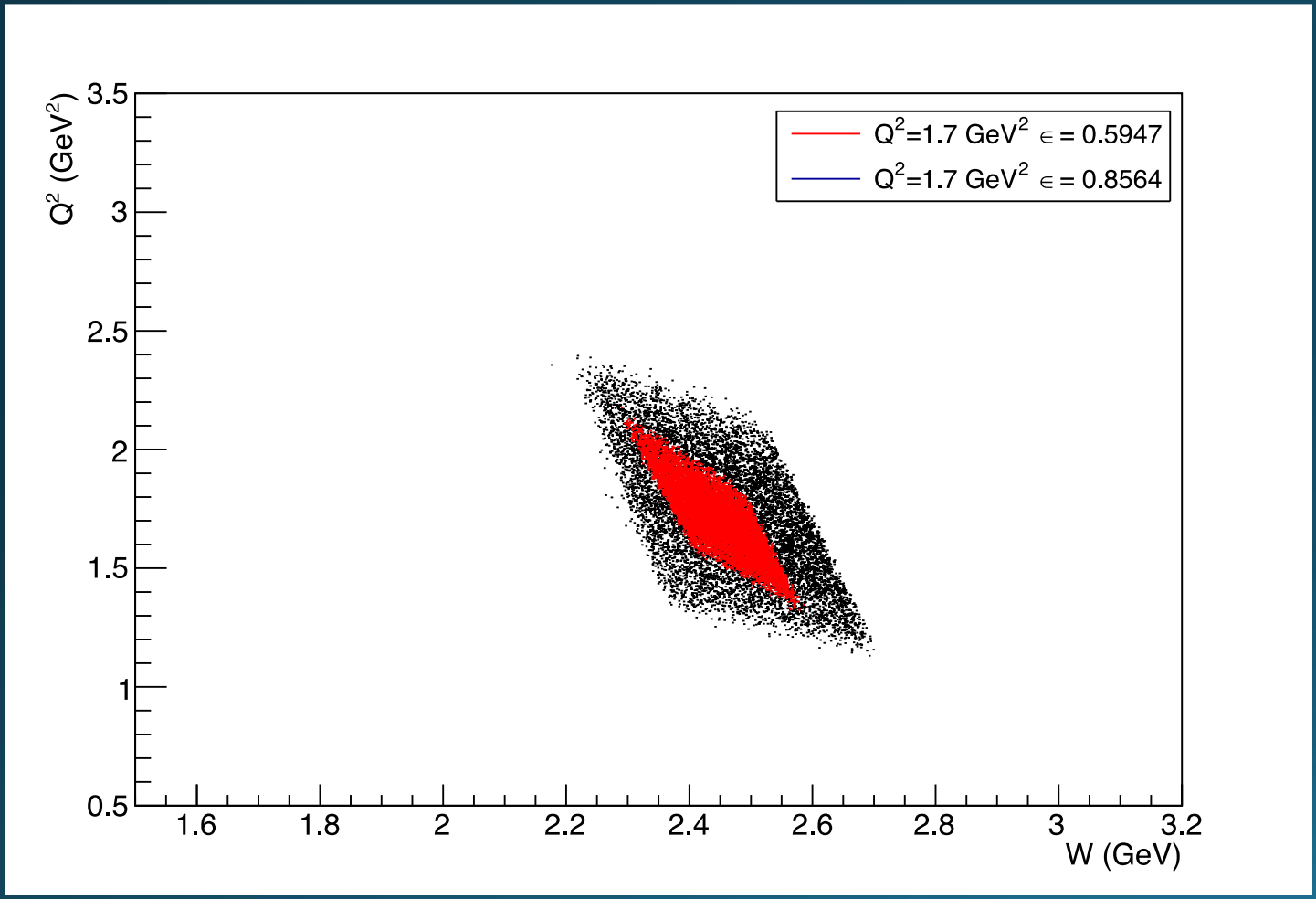
Kaons in p(e,e'k+) experiment





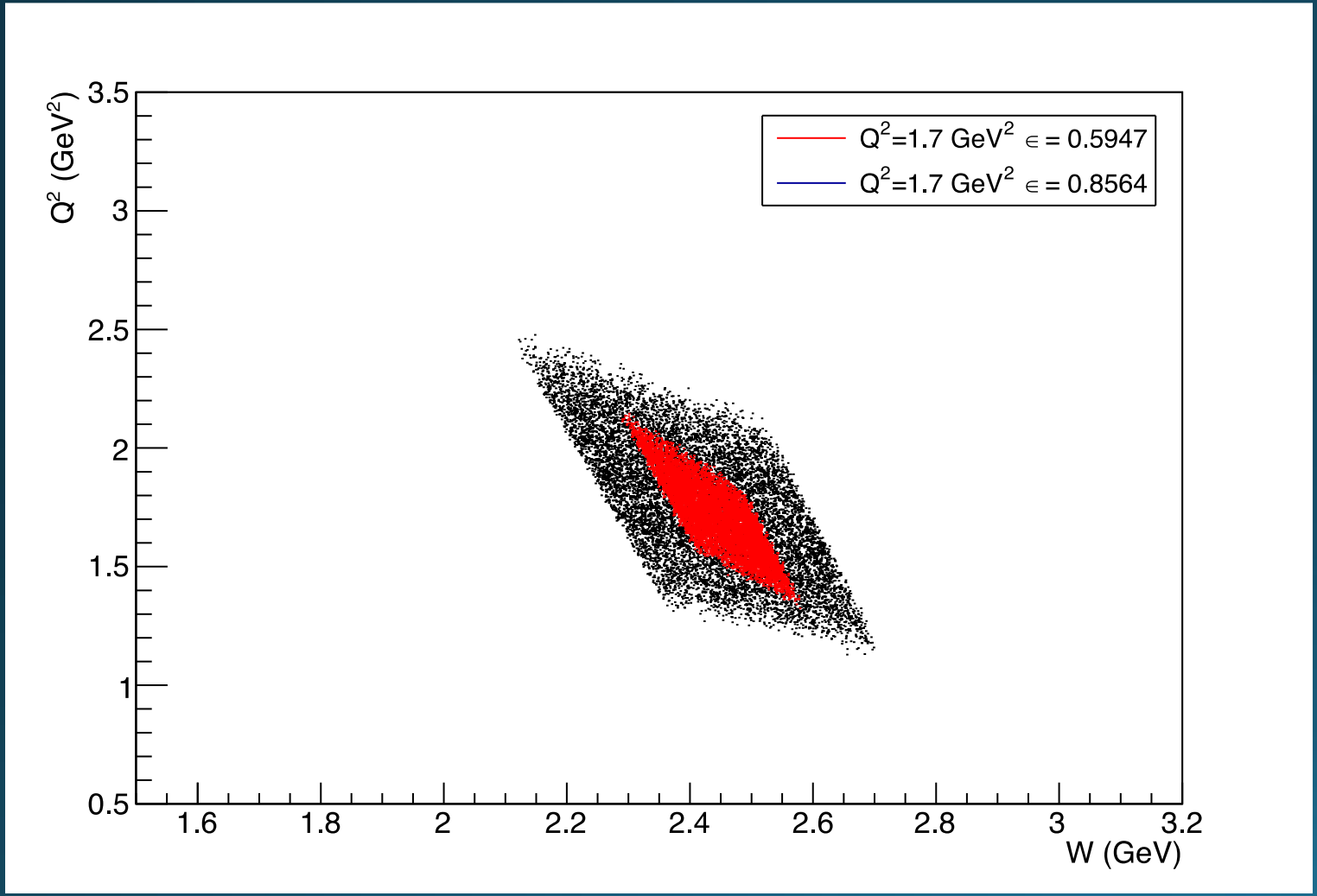
- Q^2 = 0.400 GeV^2 and W = 2.45 GeV
  - Kaons@ low epsilon: 11,338
  - Kaons @ high epsilon: 18,492
  - Standard cuts applied:
    - hsdelta: -8 to 8
    - ssdelta: -10 to 22;
    - hsyptar: -0.1 to 0.1
    - hsxptar: -0.1 to 0.1
    - Ssxptar: -0.04 to 0.04
    - Ssyptar: -0.06 to 0.06
    - **Missing mass cut <1.15**

Kaons in p(e,e'k+) experiment



- Q^2 = 1.7 GeV^2 and W = 2.45 GeV
  - Kaons@ low epsilon: 6,236
  - Kaons @ high epsilon: 10,924
  - Standard cuts applied:
    - hsdelta: -8 to 8
    - ssdelta: -10 to 22;
    - hsyptar: -0.1 to 0.1
    - hsxptar: -0.1 to 0.1
    - Ssxptar: -0.04 to 0.04
    - Ssyptar: -0.06 to 0.06
    - **Missing mass cut <1.15**

Pions in p(e,e'k+) experiment



- Q^2 = 1.7 GeV^2 and W = 2.45 GeV
  - Pions@ low epsilon: 1.05 x 10^6
  - Pions @ high epsilon: 2.22 x 10^6
  - Standard cuts applied:
    - hsdelta: -8 to 8
    - ssdelta: -10 to 22;
    - hsyptar: -0.1 to 0.1
    - hsxptar: -0.1 to 0.1
    - Ssxptar: -0.04 to 0.04
    - Ssyptar: -0.06 to 0.06
    - **Missing mass cut <1.1**

Q2 (GeV^2)	W (GeV)	Current (uA)	R p (events/s)	R k+ (events/s)	Time (hrs)	N pions	N kaons
0.4	2.45	35	6.0	0.03	125.8	2708204	11338
0.4	2.45	35	18.6	0.06	84.5	5657198	18492
1.7	2.45	70	9.55	0.06	30.5	1049062	6236
1.7	2.45	70	31.3	0.15	19.7	2221976	10924