$0.60 < \eta < 0.80$ $0.80 < \eta < 1.15$ $1.15 < \eta < 1.37$ $1.37 < \eta < 1.52$ $1.52 < \eta < 1.81$ $1.81 < \eta < 2.01$ $2.01 < \eta < 2.37$ p:0.97 (270/317) p:0.83 (240/262) p:0.32 (281/271) p:0.33 (230/221) p:0.10 (138/118) p:0.65 (244/253) p:0.62 (277/285) p:0.14 (328/302) p:0.97 (271/317) p:0.82 (241/262) p:0.35 (279/271) p:0.31 (231/221) p:0.11 (137/118) p:0.64 (244/253) p:0.65 (275/285) p:0.15 (328/302) p:0.98 (270/319) p:0.80 (242/262) p:0.40 (276/271) p:0.33 (230/221) p:0.09 (139/118) p:0.62 (244/252) p:0.65 (276/285) p:0.14 (328/302) p:0.41 (371/365) p:0.94 (302/343) p:0.33 (341/331) p:0.02 (341/292) p:0.30 (250/239) p:0.75 (300/317) p:0.03 (412/359) n:0.24 (365/346) p:0.46 (367/365) p:0.95 (302/343) p:0.31 (343/331) p:0.03 (340/292) p:0.29 (251/239) p:0.72 (302/317) p:0.03 (410/359) p:0.24 (364/346) p:0.30 (344/331) p:0.03 (341/292) p:0.28 (253/240) p:0.71 (303/317) p:0.04 (406/359) p:0.42 (354/349) p:0.42 (319/315) p:0.77 (265/283) p:0.21 (394/372) p:0.63 (365/375) p:0.85 (317/344) p:0.35 (394/384) p:0.43 (354/350) p:0.23 (391/372) p:0.59 (368/375) n:0.42 (354/349) n:0.45 (317/315) n:0.70 (270/283) p:0.88 (313/344) p:0.32 (396/384) n:0.44 (353/350) p:0.23 (392/372) p:0.61 (367/375) p:0.39 (355/348) p:0.41 (321/316) p:0.70 (270/283) p:0.87 (315/344) p:0.32 (397/384) p:0.40 (356/350) p:0.52 (363/365) p:0.16 (405/377) p:0.74 (328/346) p:0.95 (277/317) p:0.08 (330/296) p:0.97 (306/354) p:0.35 (392/382) p:0.79 (326/347) p:0.51 (364/365) p:0.19 (401/377) p:0.70 (332/346) p:0.94 (278/317) p:0.08 (331/296) p:0.96 (309/354) p:0.39 (389/382) p:0.76 (328/347) p:0.93 (281/317) p:0.09 (330/296) p:0.95 (310/354) p:0.38 (390/382) p:0.72 (331/347)

(Base: group 1 to 2)

15 < E [GeV] < 20

(Base: group 1 to 2)

 $20 < E_{II}[GeV] < 30$

(Ringer: group 1 to 2)

(Base: group 1 to 2)

30 < F = |GeV| < 40

(Ringer: group 1 to 2)

(Base: group 1 to 2)

(Ringer: group 1 to 2)

 $E_{m}[GeV] > 40$

(Ringer: group 1 to 2)

 $2.37 < \eta < 2.47$

p:0.97 (69/93)

p:0.97 (69/93)

p:0.98 (67/93)

p:0.16 (238/218)

p:0.17 (238/218)

p:0.17 (240/220)

p:0.53 (238/240)

p:0.51 (239/240)

p:0.51 (239/240)

p:0.23 (258/242)

p:0.24 (257/242)

p:0.25 (256/242)