Cuts

- Kinematic cuts: $Q^2 > 1$ GeV^2 and $0.01 < y < 0.95$ and $W^2 > 10$ GeV^2

- Cuts on scattered lepton: $p_e > 0.5$ GeV and $-4 <$ rapidity < 4 (effectively satisfied by above, kinematic cuts)

- Cuts on hadrons: $p_H > 0.5$ GeV and from PID:

rapidity	pion momentum [GeV]	kaon momentum [GeV]	proton momentum [GeV]
$-3.5 <$ rapidity < -1.0 (RICH)	$0.5 < p_H < 5.0$	$1.6 < p_H < 5.0$	$3.0 < p_H < 8.0$
$-1.5 <$ rapidity < -1.0 (dE/dx)	$0.2 < p_H < 0.6$	$0.2 < p_H < 0.6$	$0.2 < p_H < 1.0$
$-1.0 <$ rapidity < 1.0 (DIRC and dE/dx)	$0.2 < p_H < 4.0$	$0.2 < p_H < 0.7$ $0.8 < p_H < 4.0$	$0.2 < p_H < 1.1$ $1.5 < p_H < 4.0$
$1.0 <$ rapidity < 3.5 (RICH)	$0.5 < p_H < 50.0$	$1.6 < p_H < 50.0$	$3.0 < p_H < 50.0$
$1.0 <$ rapidity < 1.5 (dE/dx)	$0.2 < p_H < 0.6$	$0.2 < p_H < 0.6$	$0.2 < p_H < 1.0$

- Unfolding with respect to events without cut on the scattered lepton (effectively momentum and rapidity cuts are applied due to kinematic cuts) and for hadrons without momentum cuts and with rapidity between -4 and 4.

Binning

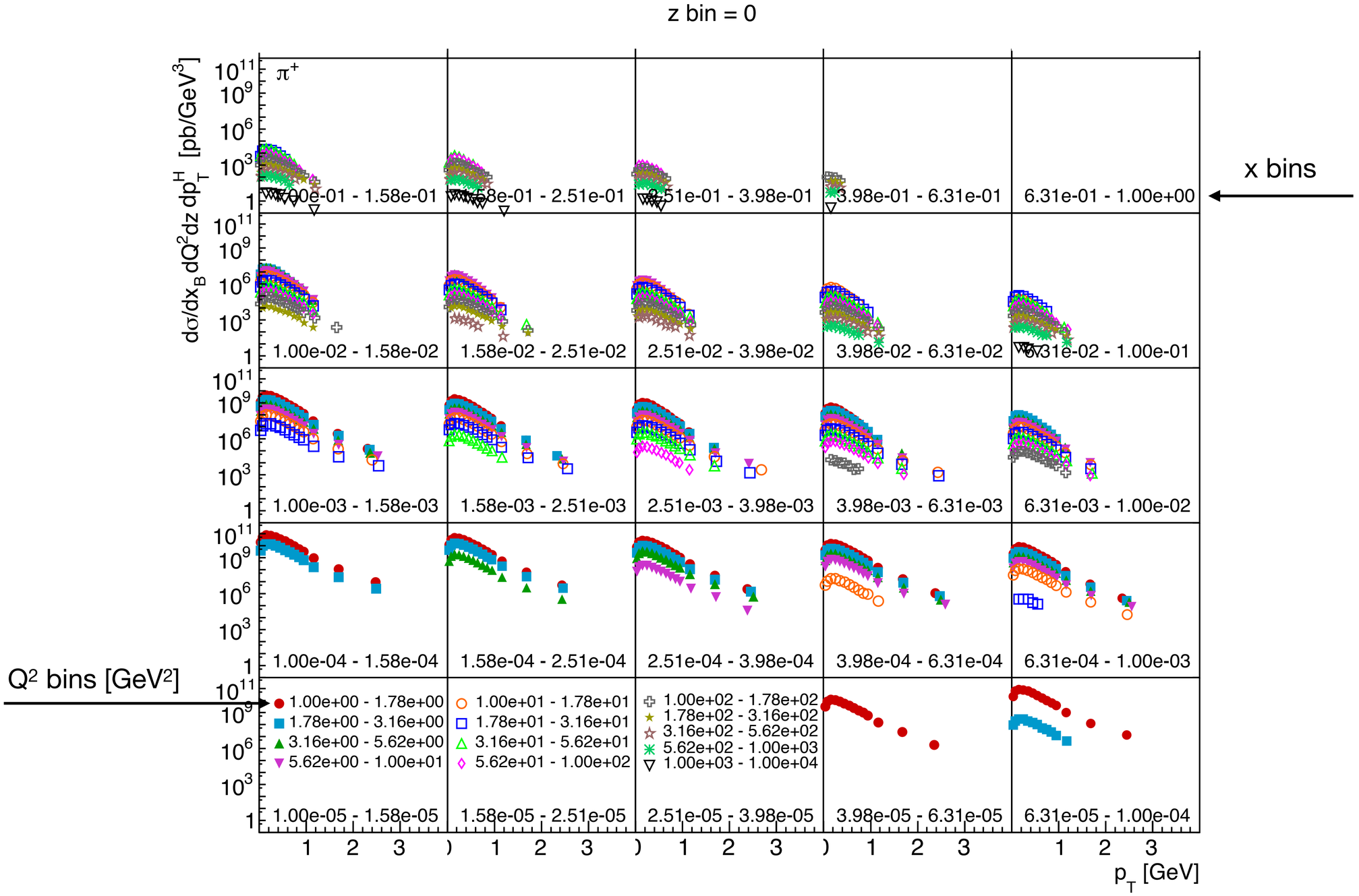
- Q2[13+1]={1, 1.77828, 3.16228, 5.62341, 10, 17.7828, 31.6228, 56.2341, 100, 177.828, 316.228, 562.341, 1000, 10000}

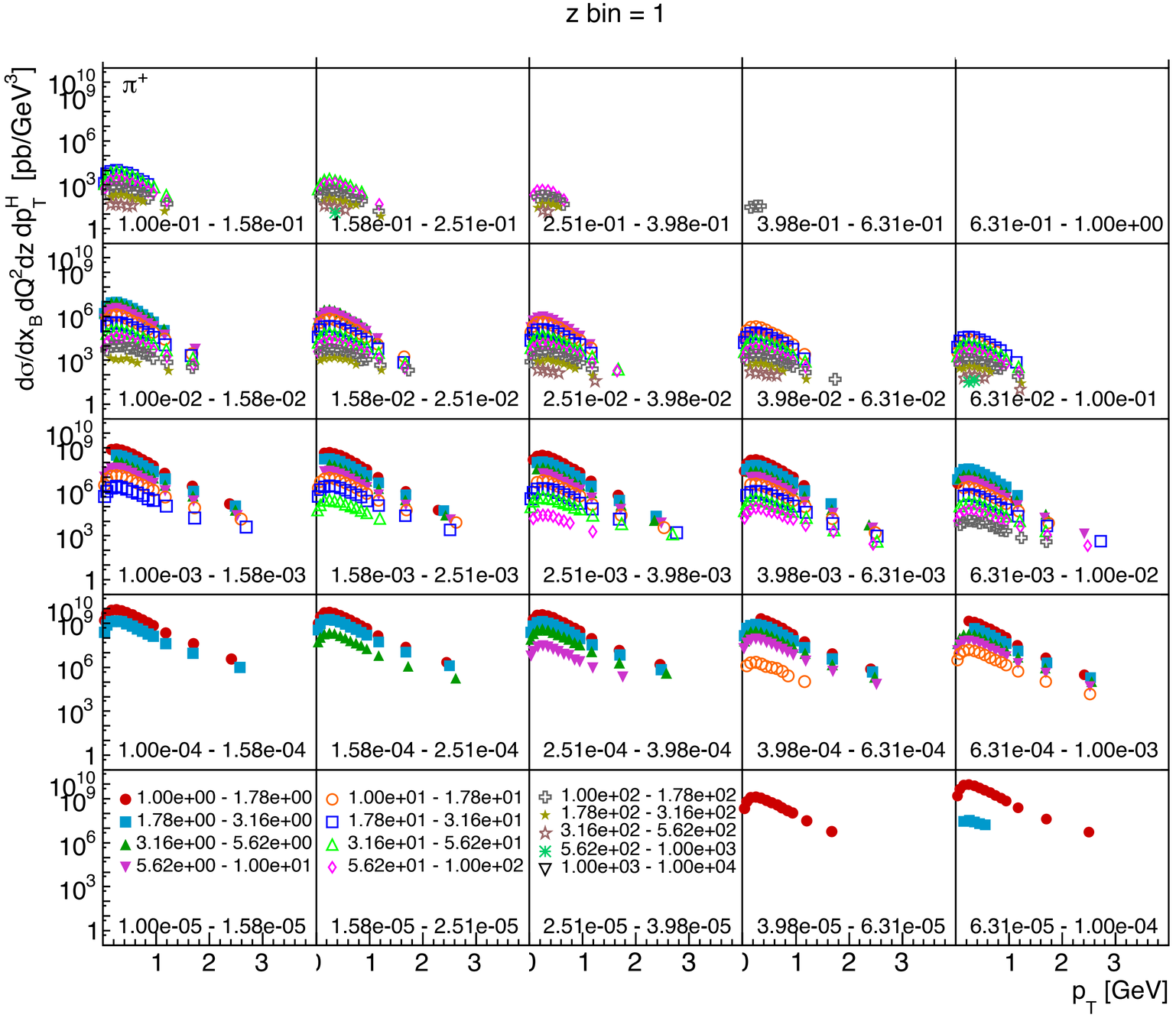
- xB[25+1]={1e-05, 1.58489e-05, 2.51189e-05, 3.98107e-05, 6.30957e-05, 0.0001, 0.000158489, 0.000251189, 0.000398107, 0.000630957, 0.001, 0.00158489, 0.00251189, 0.00398107, 0.00630957, 0.01, 0.0158489, 0.0251189, 0.0398107, 0.0630957, 0.1, 0.158489, 0.251189, 0.398107, 0.630957, 1}

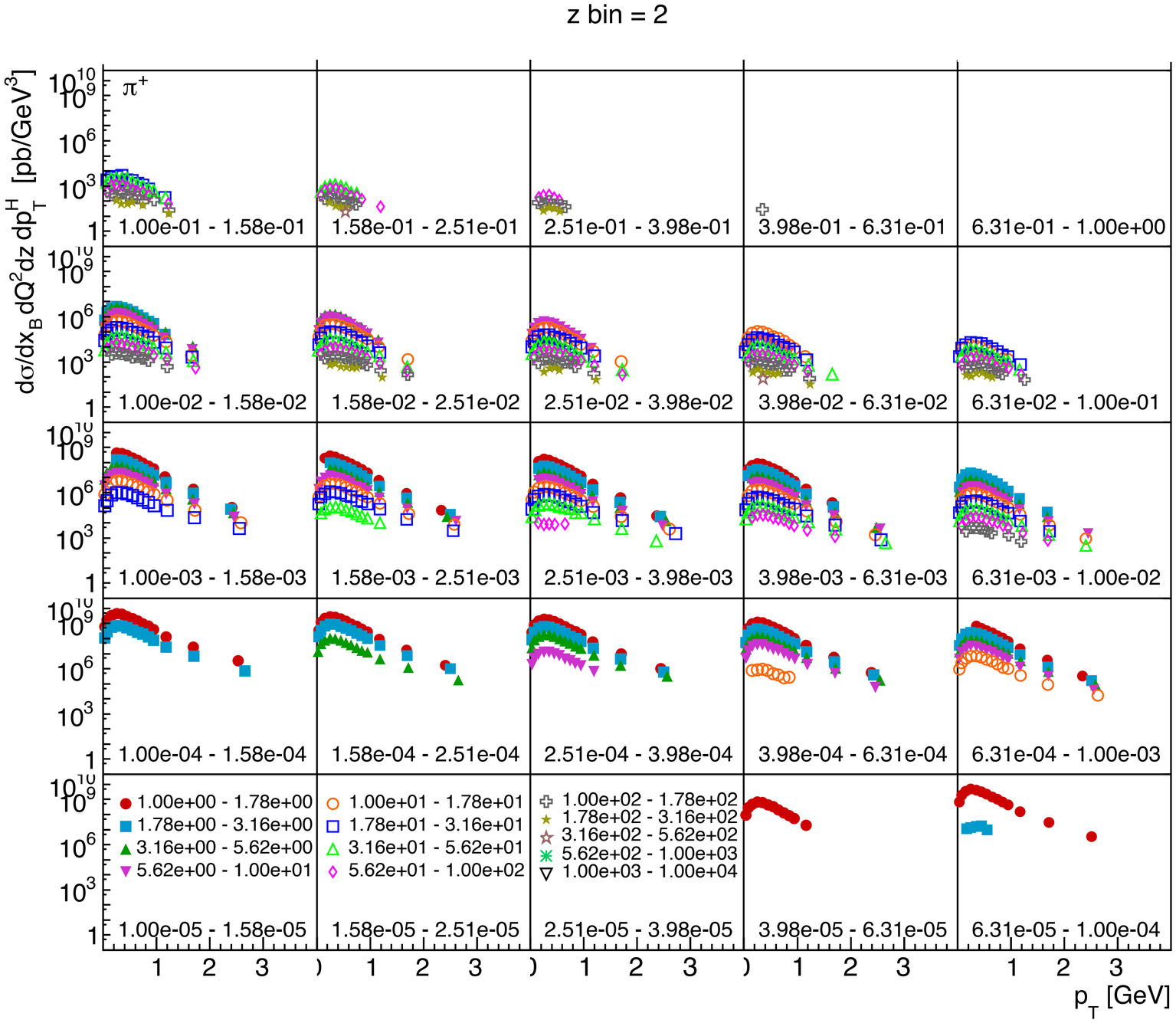
- z[13+1]={0., 0.05, 0.1, 0.15, 0.2, 0.25, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0}

- pT[14+1]={0, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.5, 2.0, 4.0}

  pT = transverse momentum of hadron with respect to the virtual photon (in the proton rest frame)


z bin = 0
π^+
$d\sigma/dx_B\,dQ^2dz\,dp_T^H$ [pb/GeV^3]
x bins
Q^2 bins [GeV^2]
p_T [GeV]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04


z bin = 1
π^+
$d\sigma/dx_B\, dQ^2 dz\, dp_T^H$ [pb/GeV^3]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04
p_T [GeV]


z bin = 2
π^+
$d\sigma/dx_B\,dQ^2dz\,dp_T^H$ [pb/GeV^3]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
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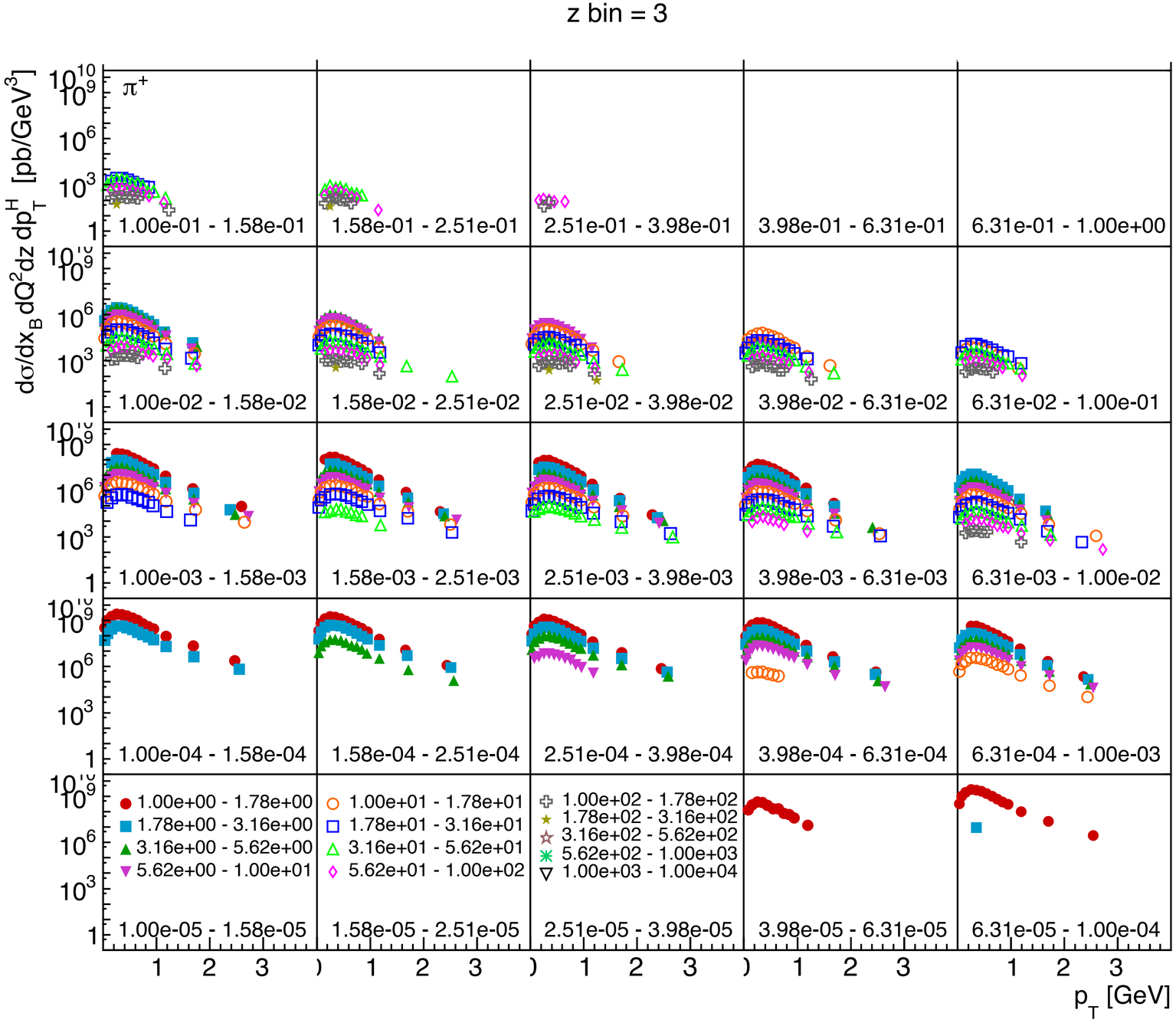
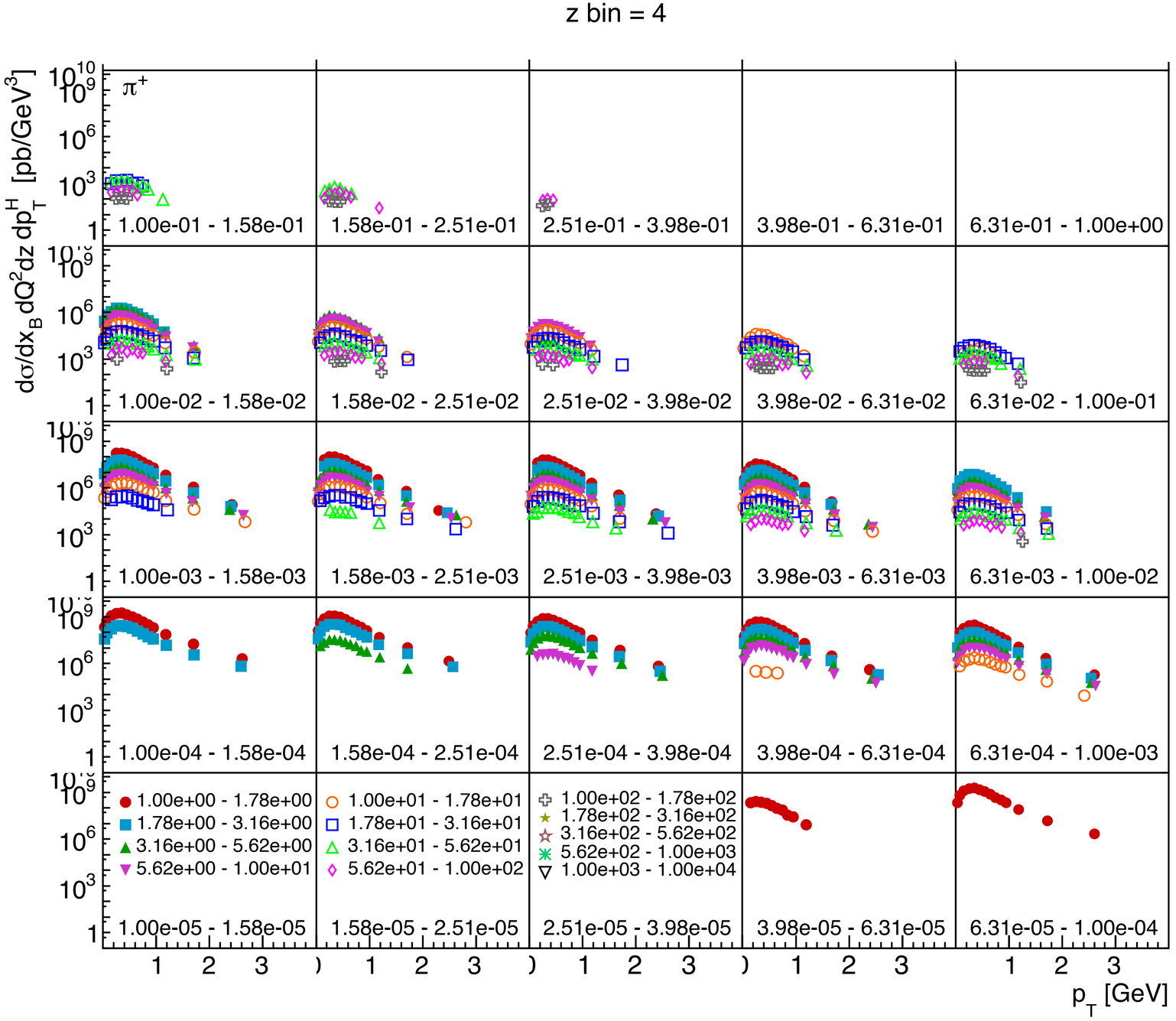
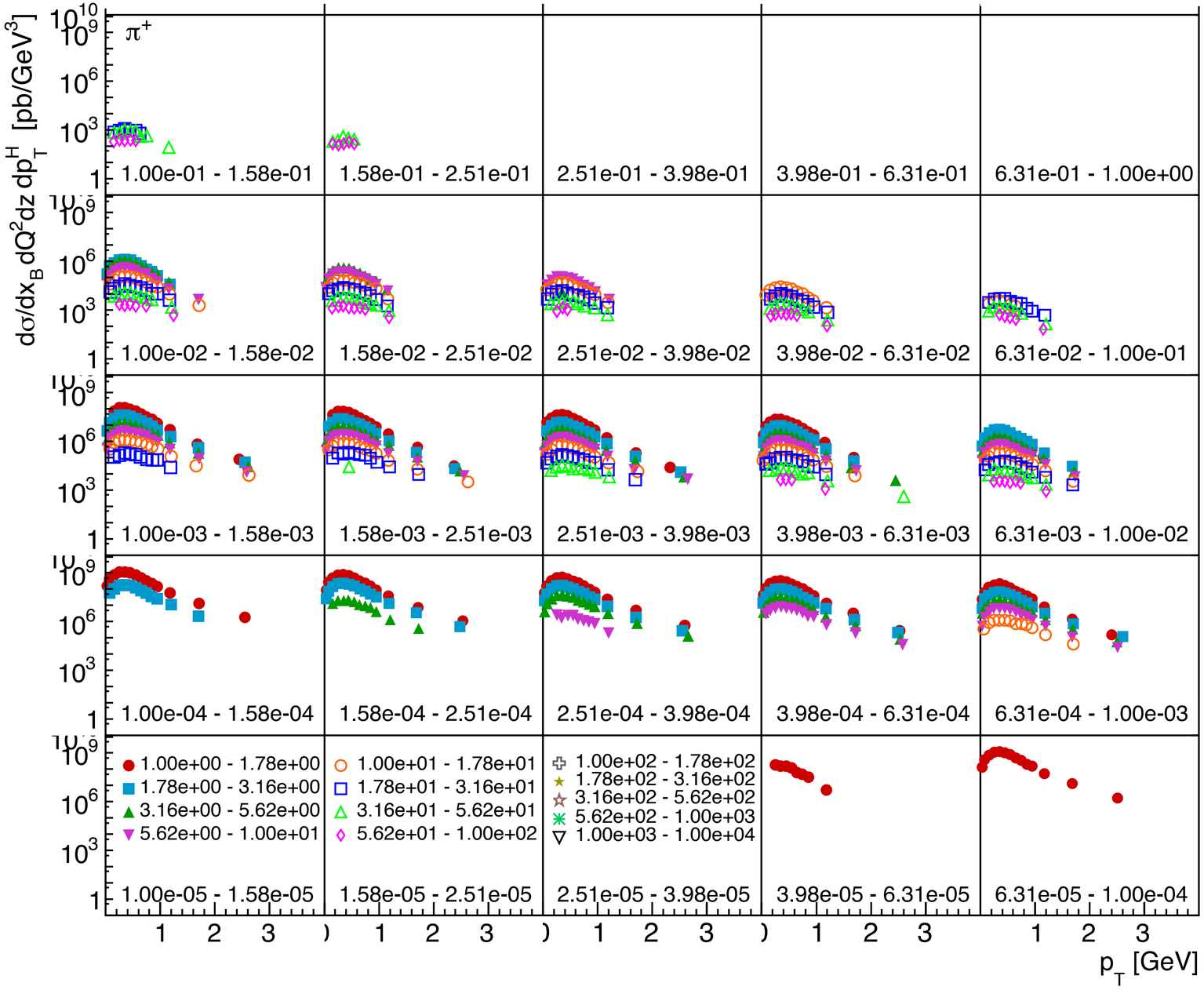
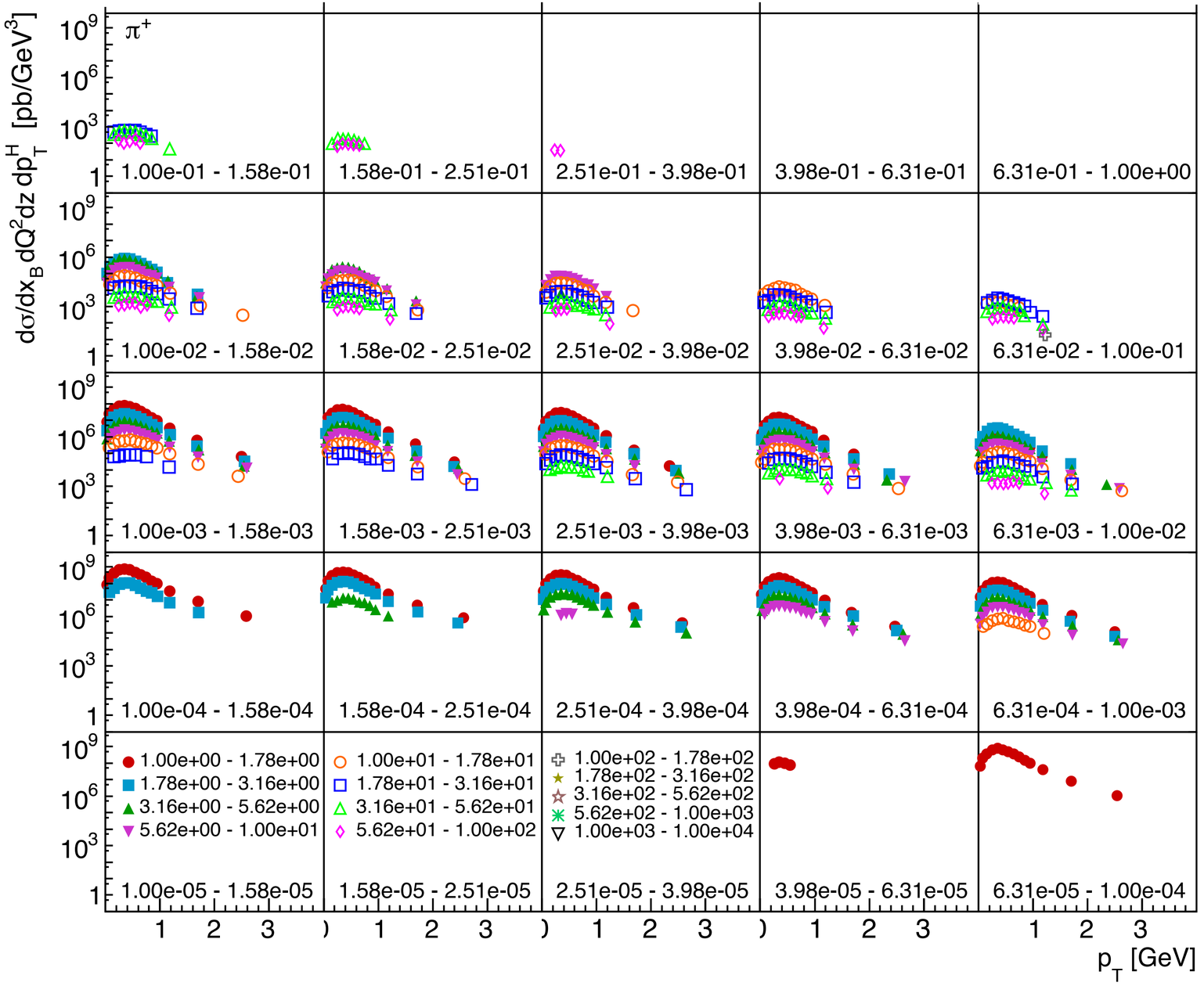
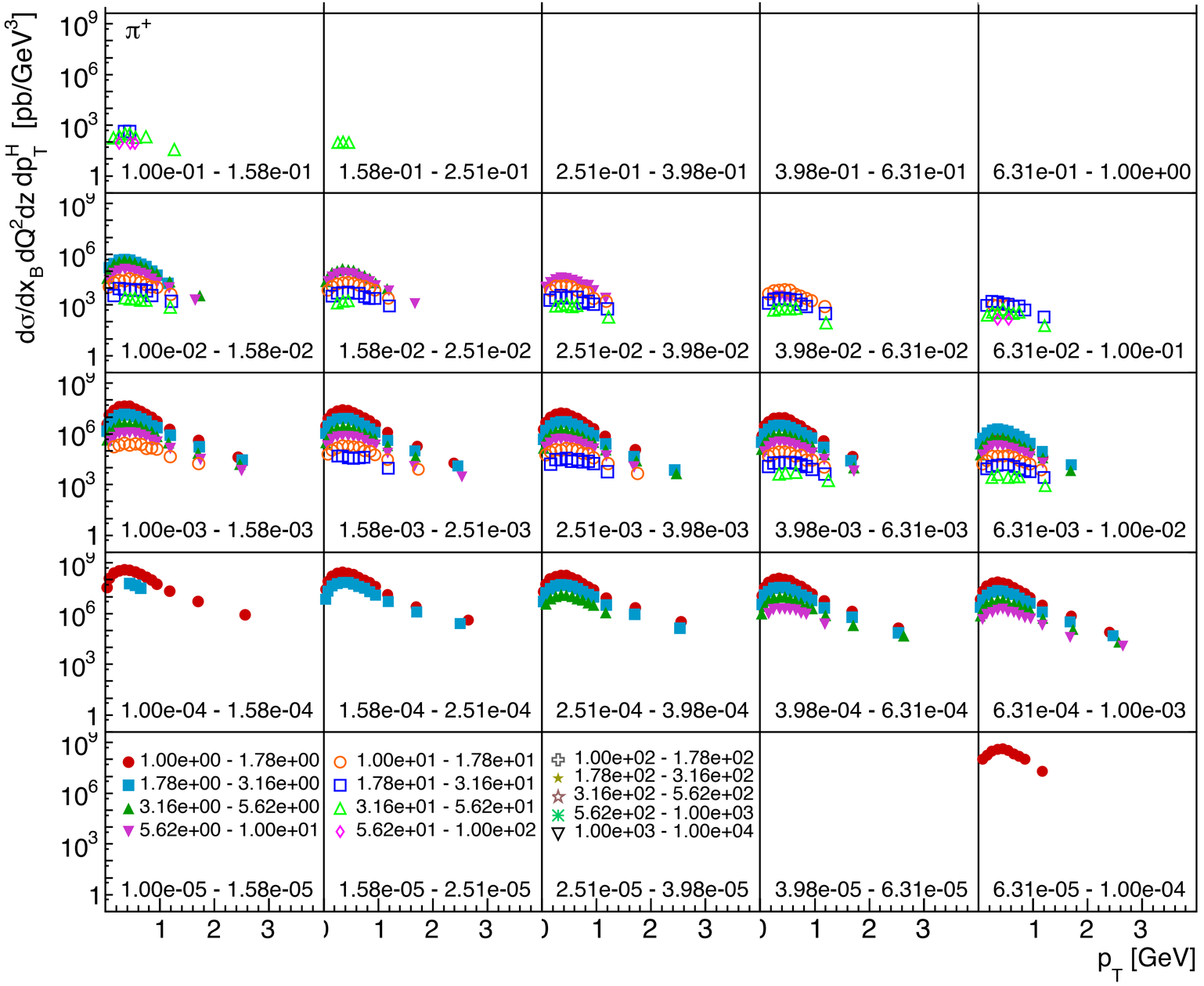
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
p_T [GeV]

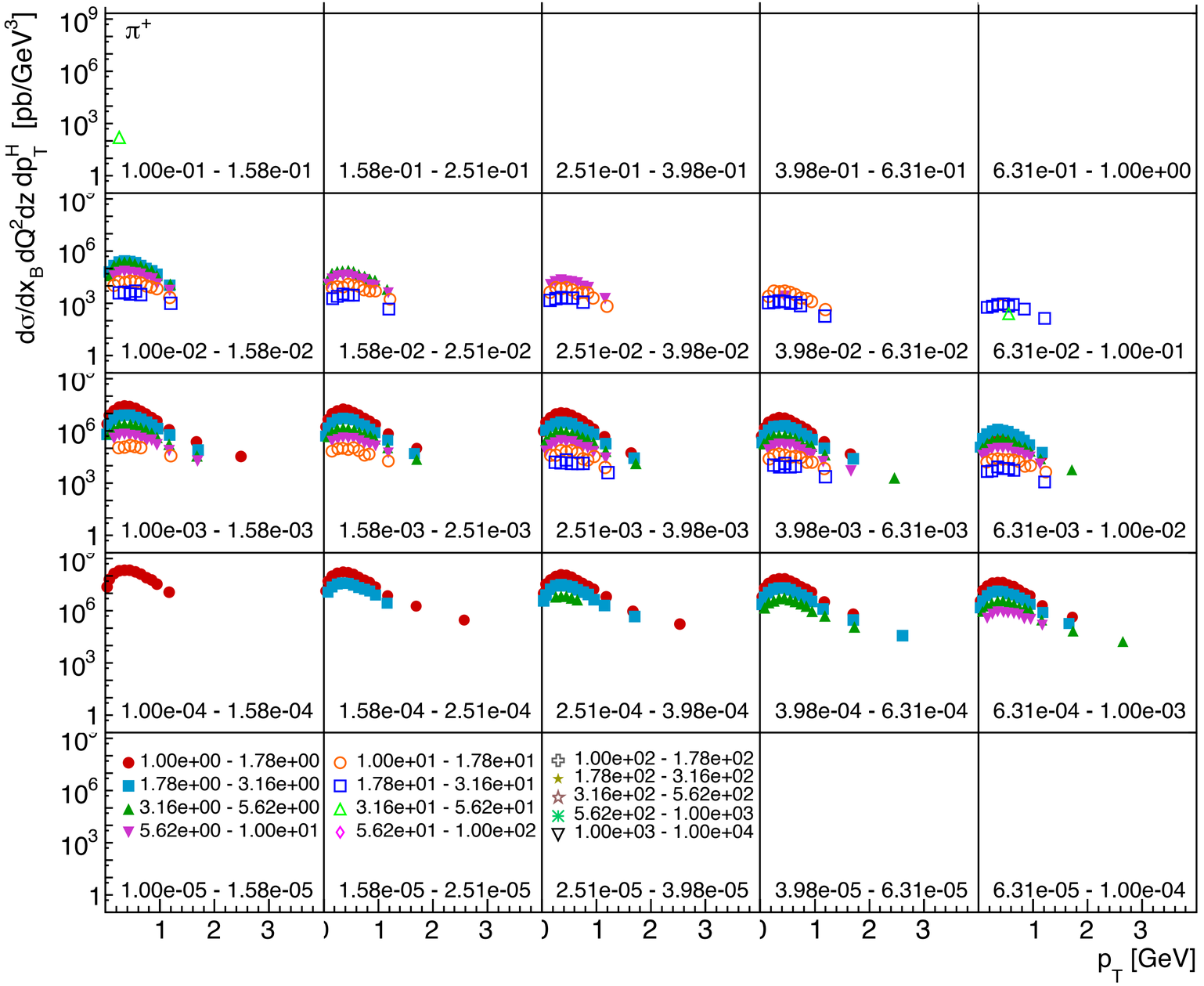

z bin = 3
π^+
$d\sigma/dx_B\,dQ^2dz\,dp_T^H$ [pb/GeV^3]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04
p_T [GeV]


z bin = 4
π^+
$d\sigma/dx_B\,dQ^2dz\,dp_T^H$ [pb/GeV^3]
p_T [GeV]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04

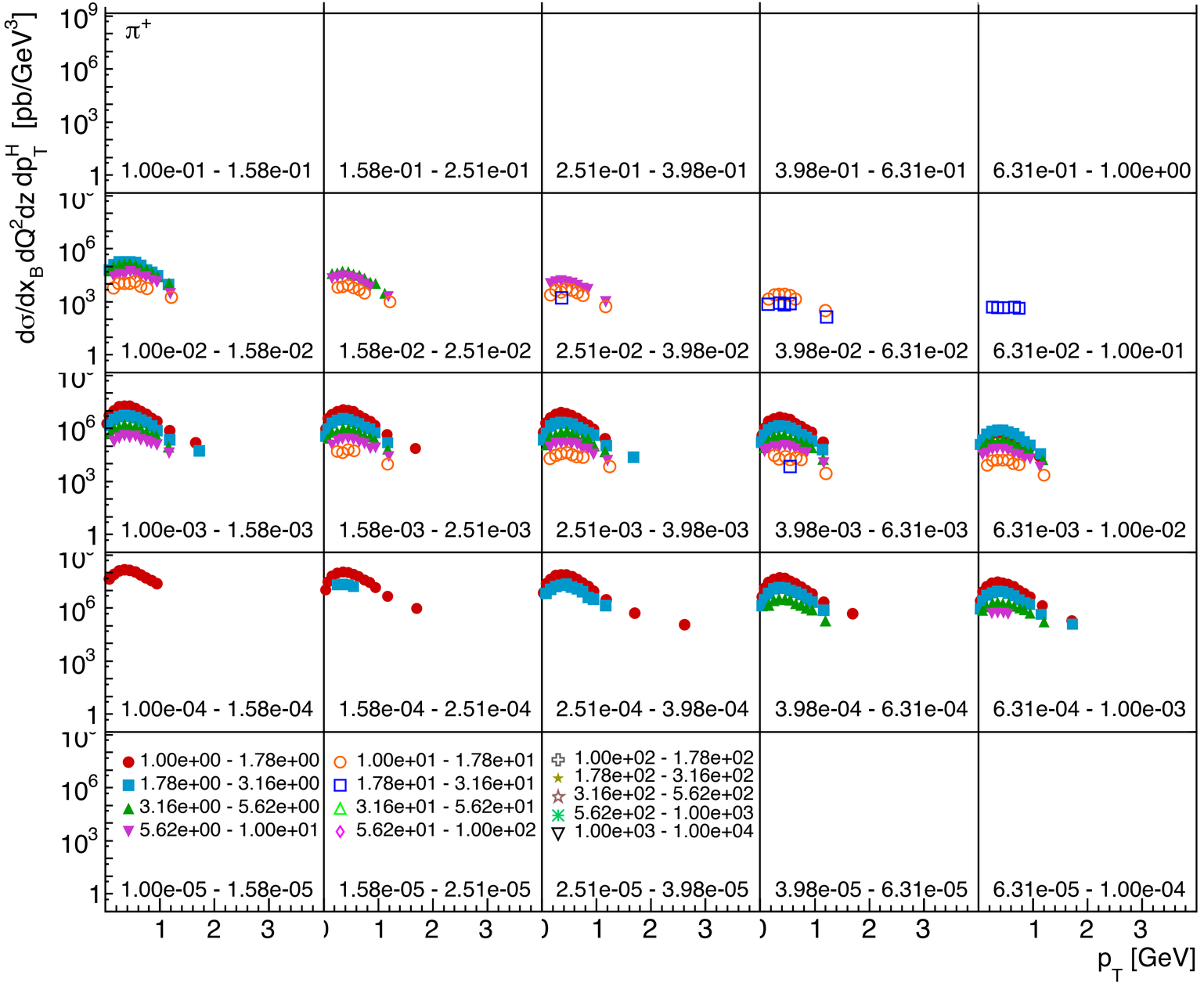

z bin = 5
π^+
$d\sigma/dx_B dQ^2 dz\, dp_T^H$ [pb/GeV^3]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04
p_T [GeV]

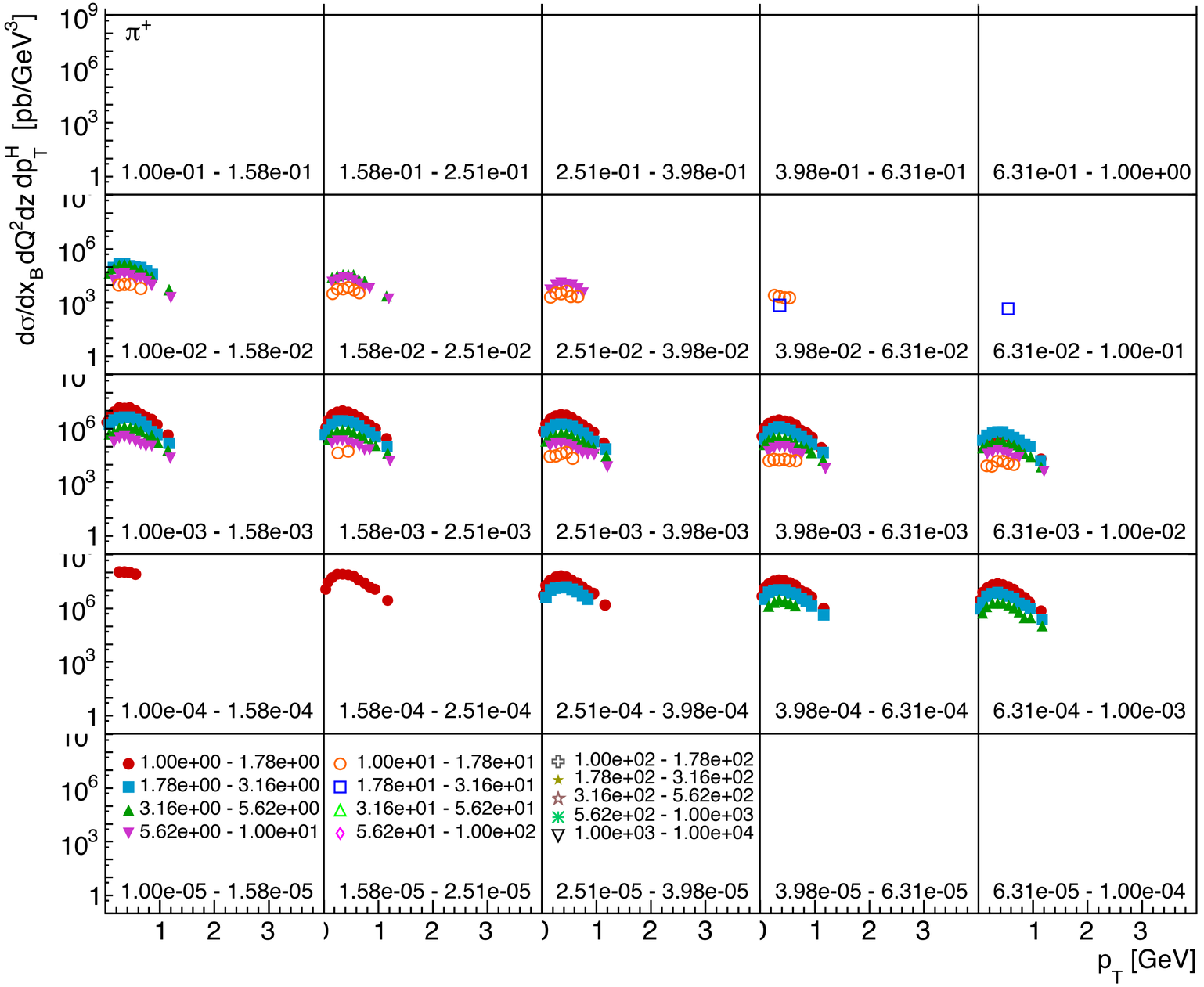

z bin = 6
π^+
$d\sigma/dx_B dQ^2 dz\, dp_T^H$ [pb/GeV^3]
p_T [GeV]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04


z bin = 7
π^+
$d\sigma/dx_B\,dQ^2dz\,dp_T^H$ [pb/GeV^3]
p_T [GeV]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04

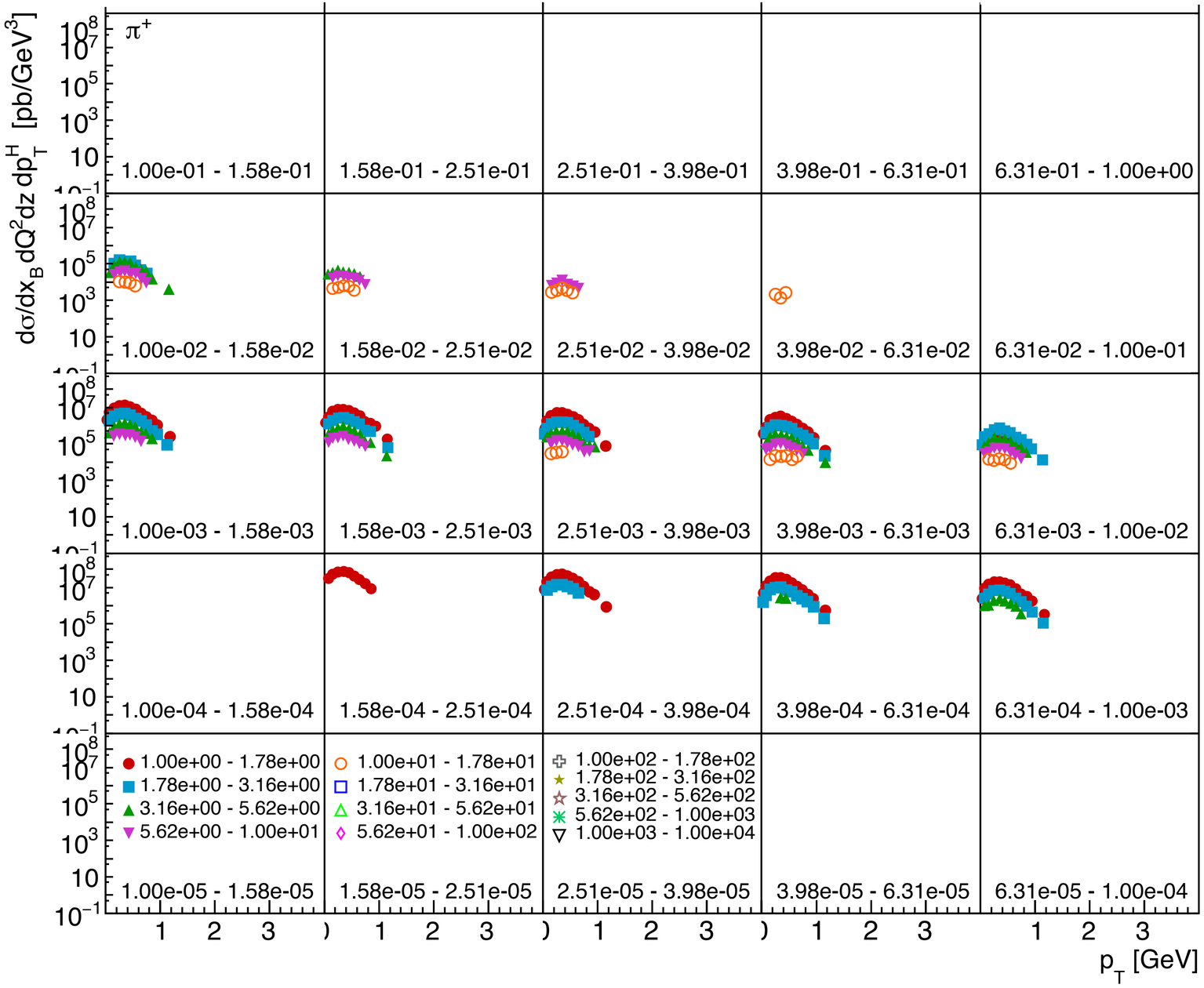

z bin = 8
π^+
$d\sigma/dx_B\,dQ^2dz\,dp_T^H$ [pb/GeV^3]
p_T [GeV]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04

z bin = 9

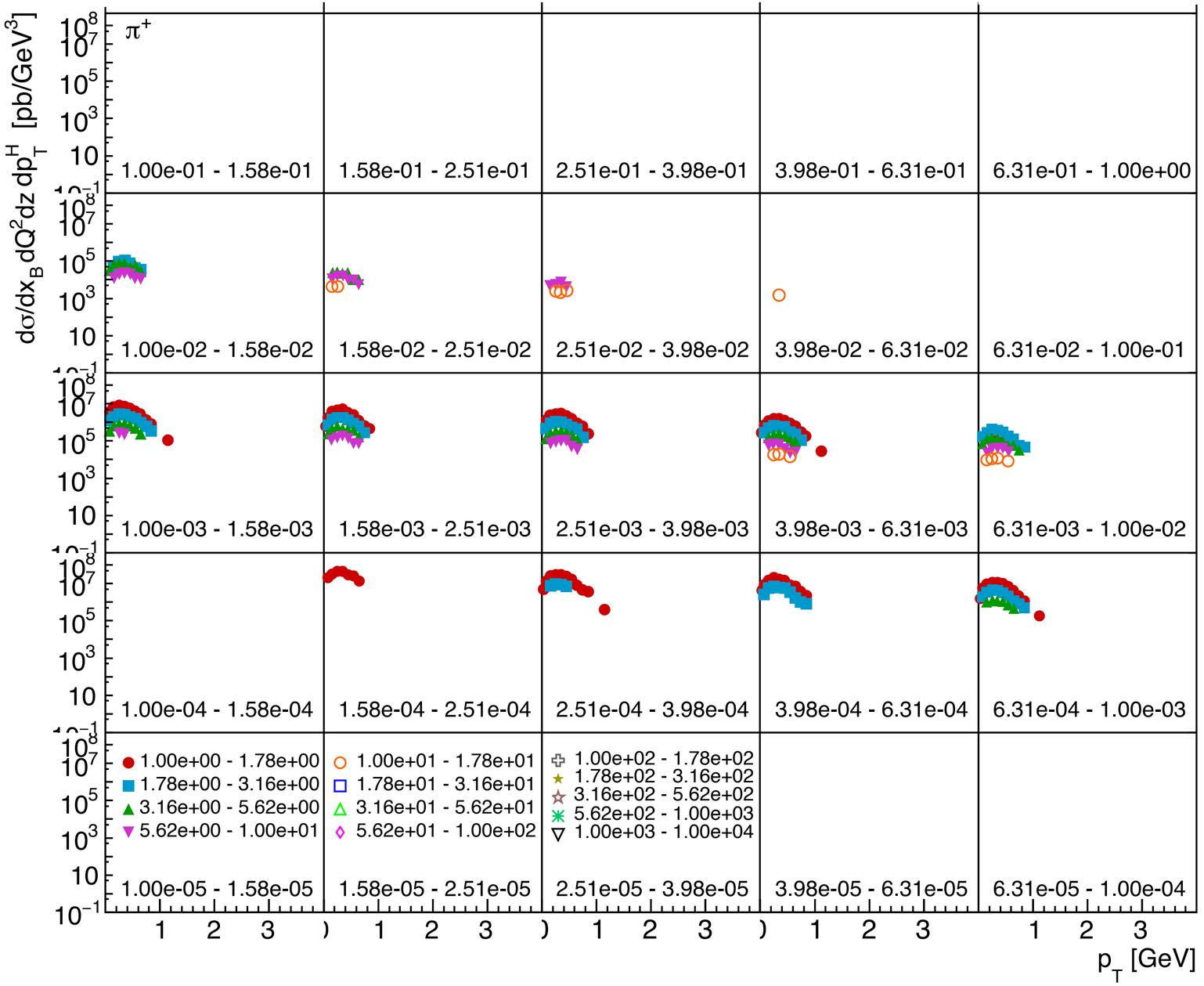

π^+
$d\sigma/dx_B\, dQ^2 dz\, dp_T^H$ [pb/GeV^3]
p_T [GeV]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04


z bin = 10
π^+
$d\sigma/dx_B\,dQ^2dz\,dp_T^H$ [pb/GeV^3]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
p_T [GeV]

z bin = 11


π^+
$d\sigma/dx_B\, dQ^2 dz\, dp_T^H$ [pb/GeV^3]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
p_T [GeV]

z bin = 12


π^+
$d\sigma/dx_B dQ^2 dz\, dp_T^H$ [pb/GeV^3]
p_T [GeV]
1.00e-01 - 1.58e-01
1.58e-01 - 2.51e-01
2.51e-01 - 3.98e-01
3.98e-01 - 6.31e-01
6.31e-01 - 1.00e+00
1.00e-02 - 1.58e-02
1.58e-02 - 2.51e-02
2.51e-02 - 3.98e-02
3.98e-02 - 6.31e-02
6.31e-02 - 1.00e-01
1.00e-03 - 1.58e-03
1.58e-03 - 2.51e-03
2.51e-03 - 3.98e-03
3.98e-03 - 6.31e-03
6.31e-03 - 1.00e-02
1.00e-04 - 1.58e-04
1.58e-04 - 2.51e-04
2.51e-04 - 3.98e-04
3.98e-04 - 6.31e-04
6.31e-04 - 1.00e-03
1.00e-05 - 1.58e-05
1.58e-05 - 2.51e-05
2.51e-05 - 3.98e-05
3.98e-05 - 6.31e-05
6.31e-05 - 1.00e-04
1.00e+00 - 1.78e+00
1.78e+00 - 3.16e+00
3.16e+00 - 5.62e+00
5.62e+00 - 1.00e+01
1.00e+01 - 1.78e+01
1.78e+01 - 3.16e+01
3.16e+01 - 5.62e+01
5.62e+01 - 1.00e+02
1.00e+02 - 1.78e+02
1.78e+02 - 3.16e+02
3.16e+02 - 5.62e+02
5.62e+02 - 1.00e+03
1.00e+03 - 1.00e+04