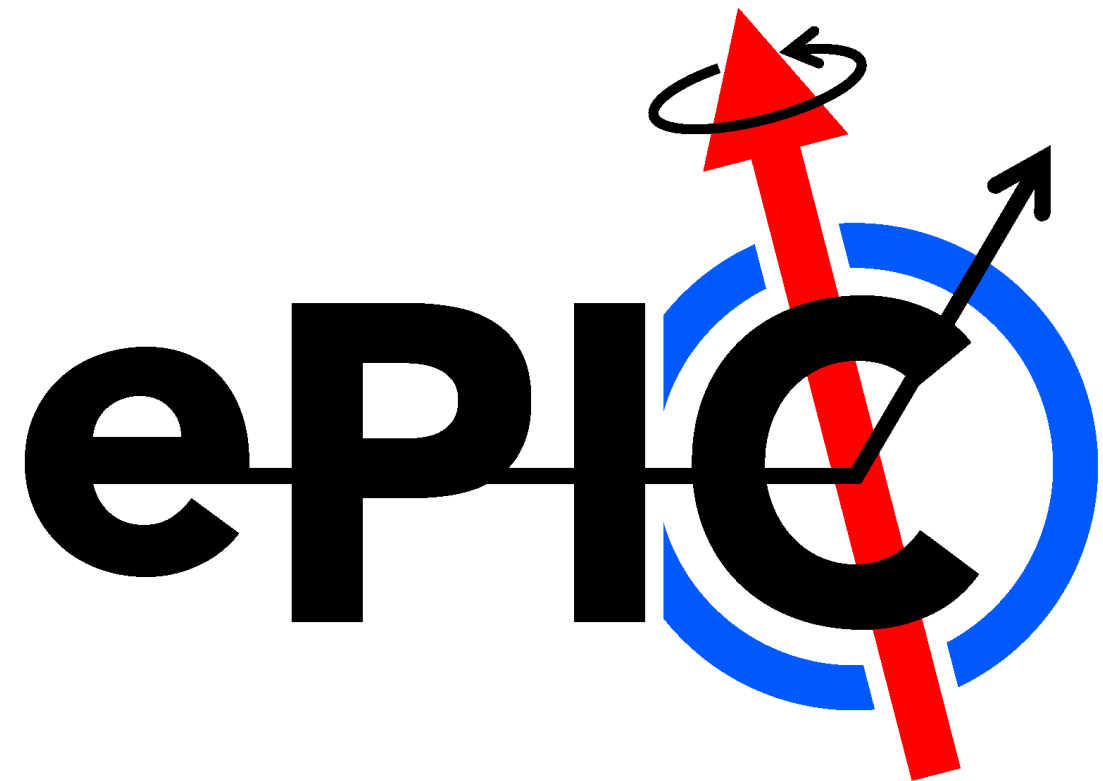


Inclusive acceptance and resolutions

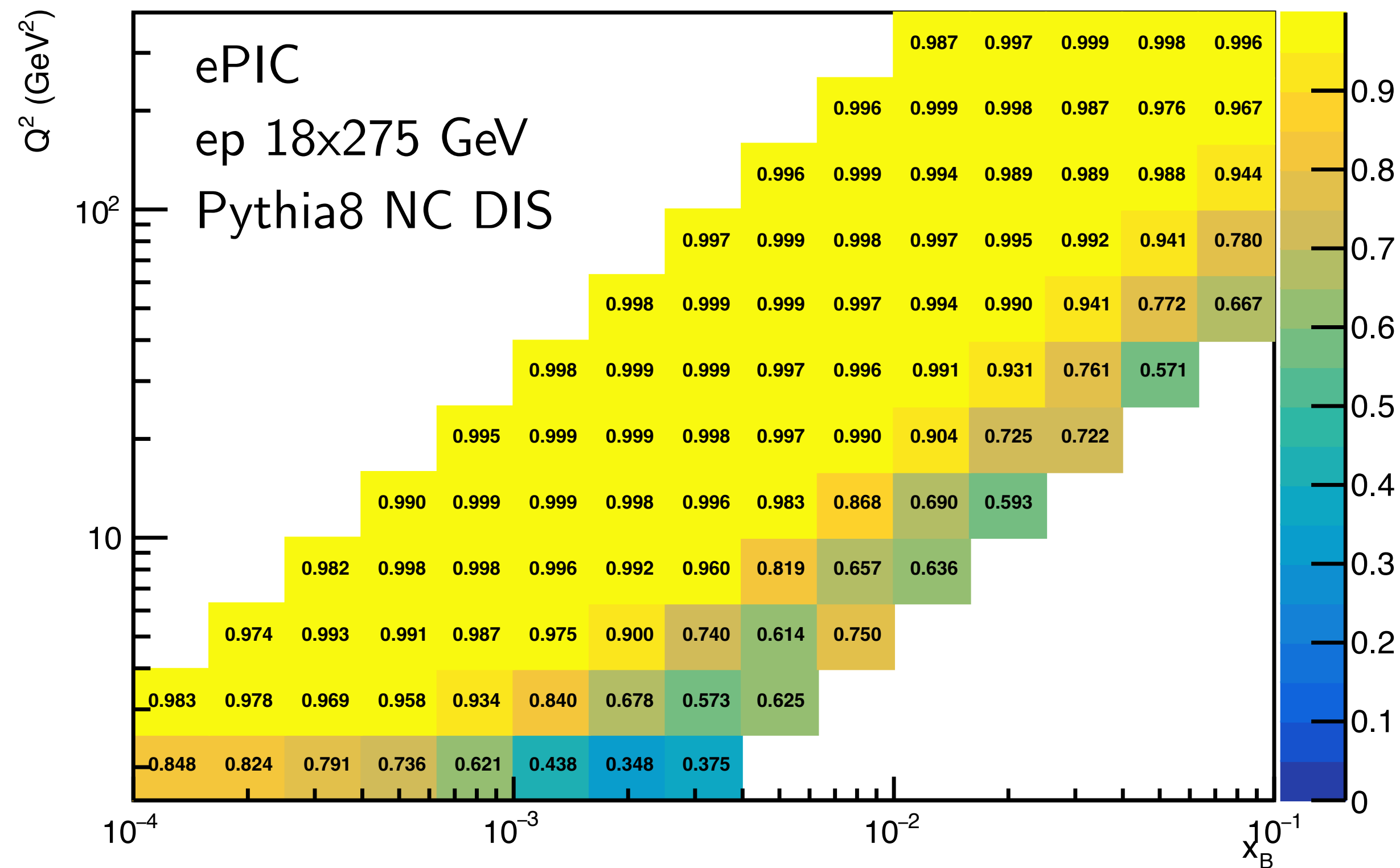
ePIC inclusive PWG meeting

March 4, 2024

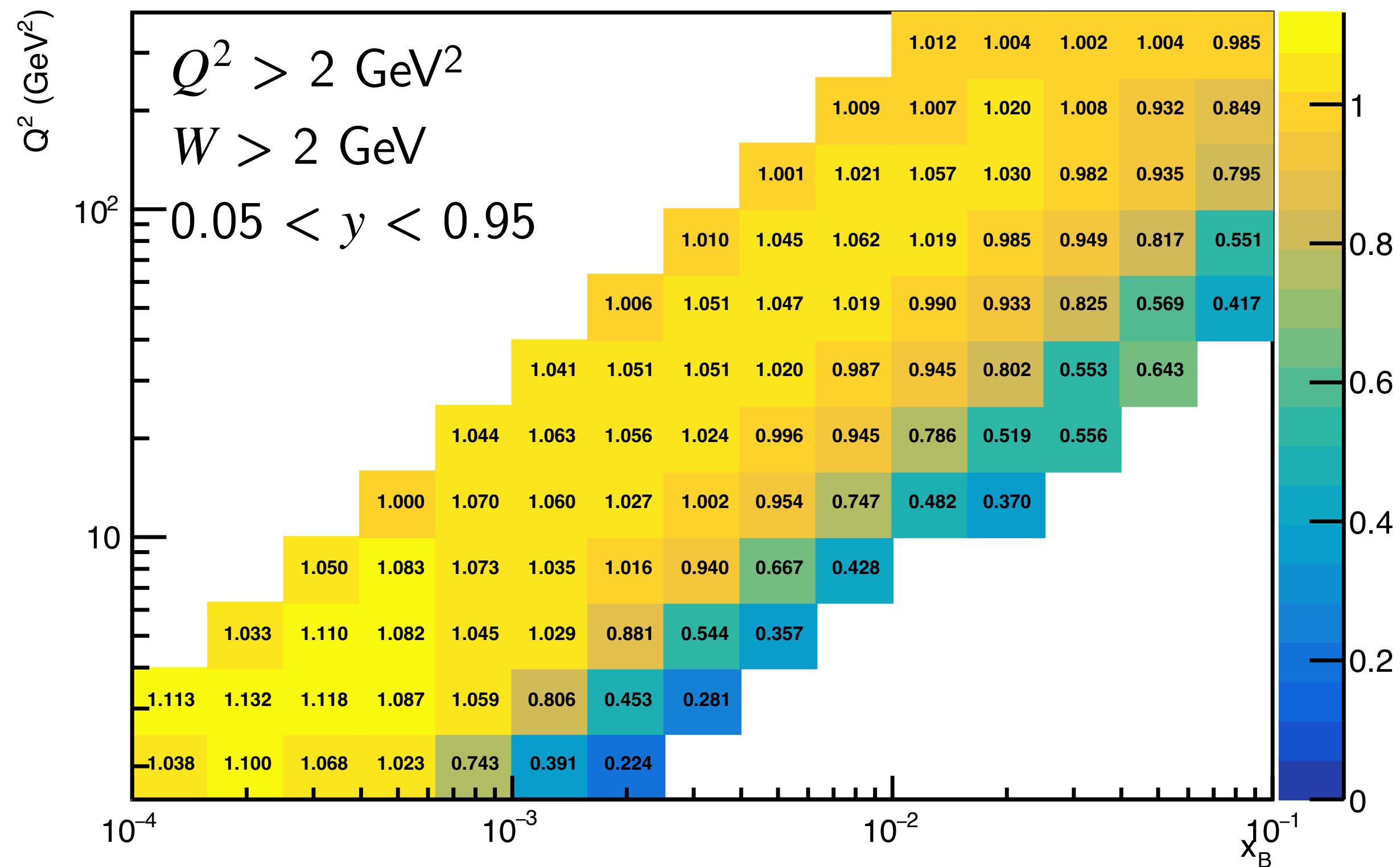


Acceptance and bin migration (electron track)

Acceptance



Bin migration

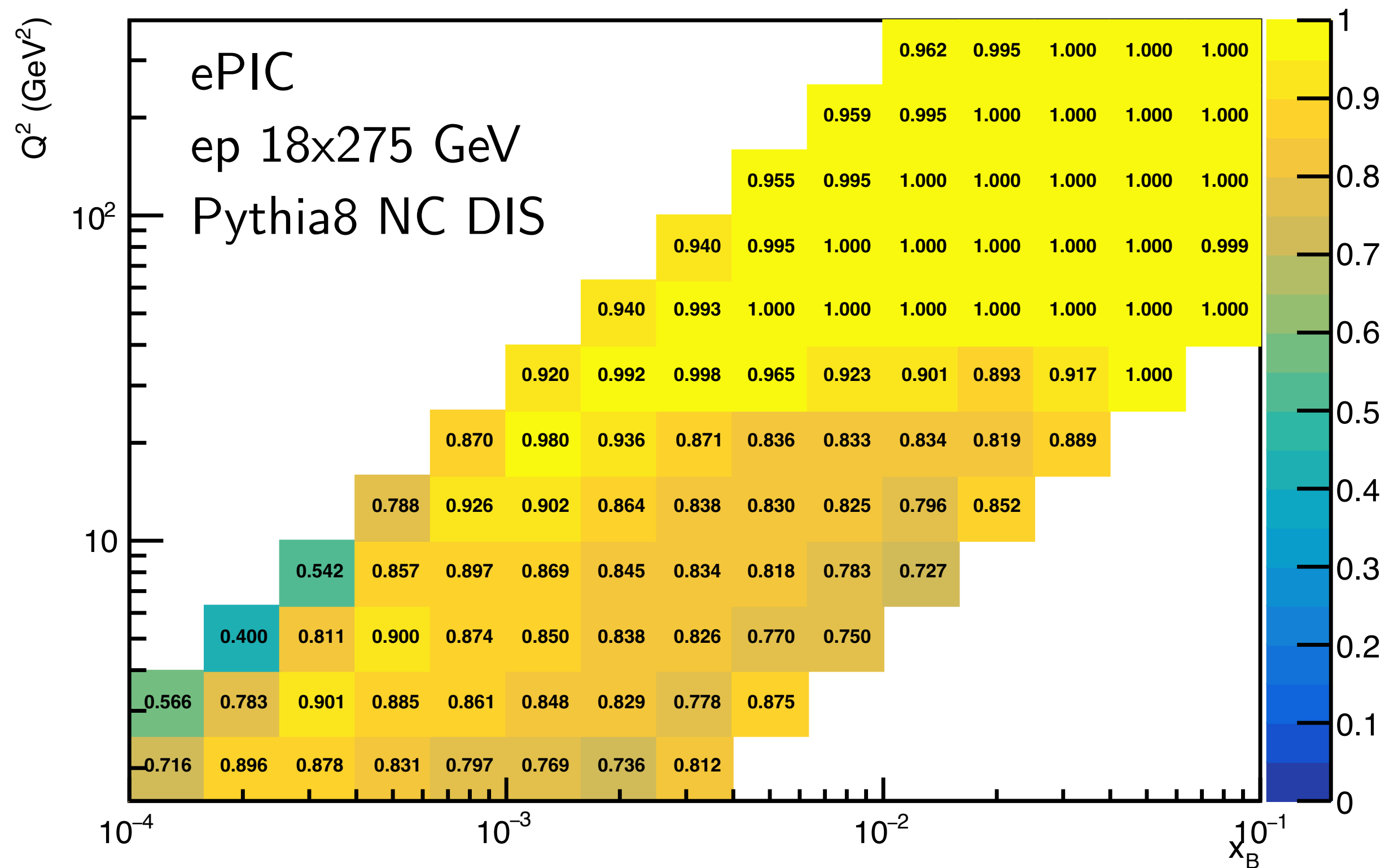


$$C_{acc} = \frac{N_{rec}(x_{gen}, Q_{gen}^2)}{N_{gen}(x_{gen}, Q_{gen}^2)}$$

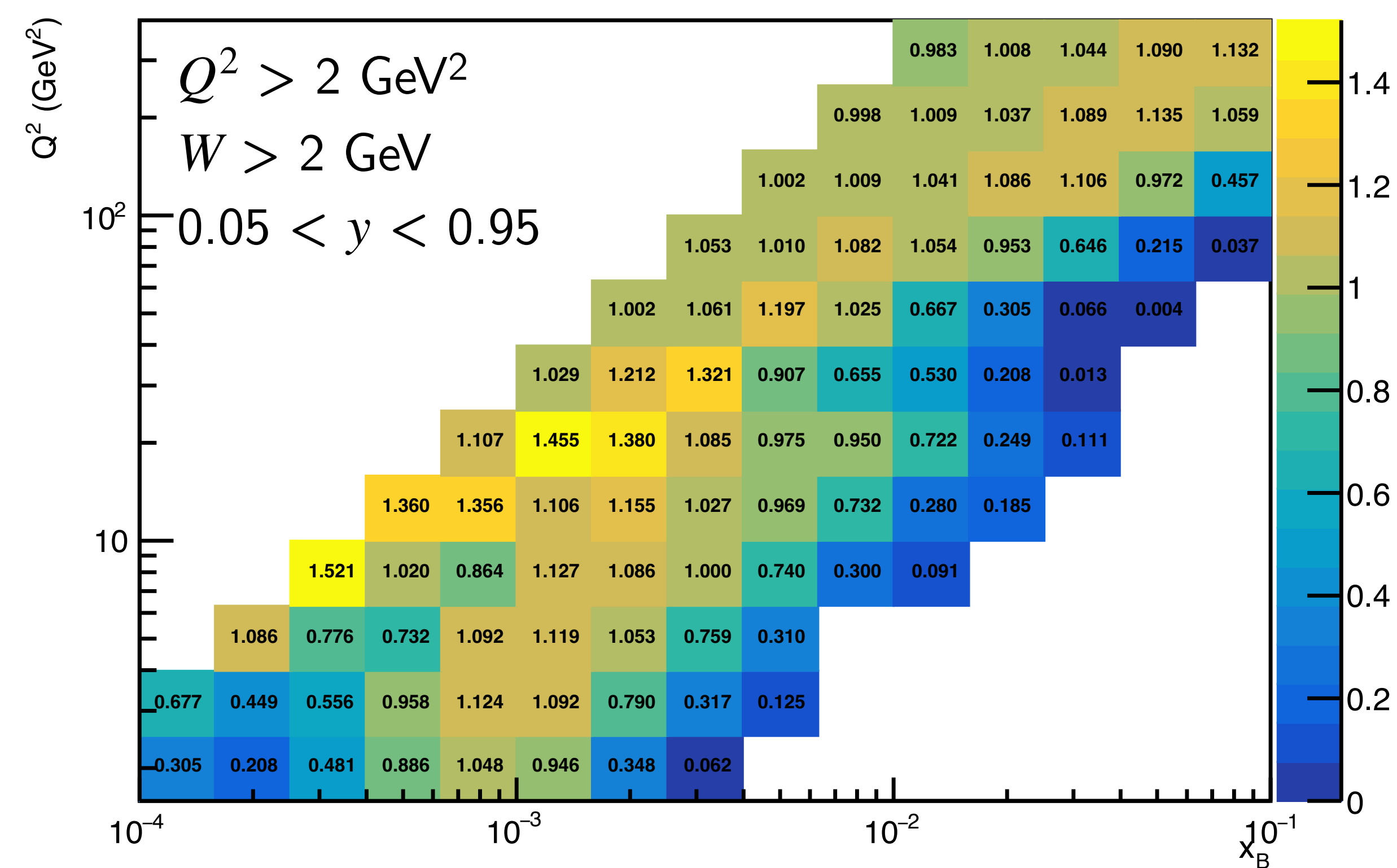
$$C_{bin} = \frac{N_{rec}(x_{rec}, Q_{rec}^2)}{N_{rec}(x_{gen}, Q_{gen}^2)}$$

Acceptance and bin migration (electron cluster)

Acceptance



Bin migration

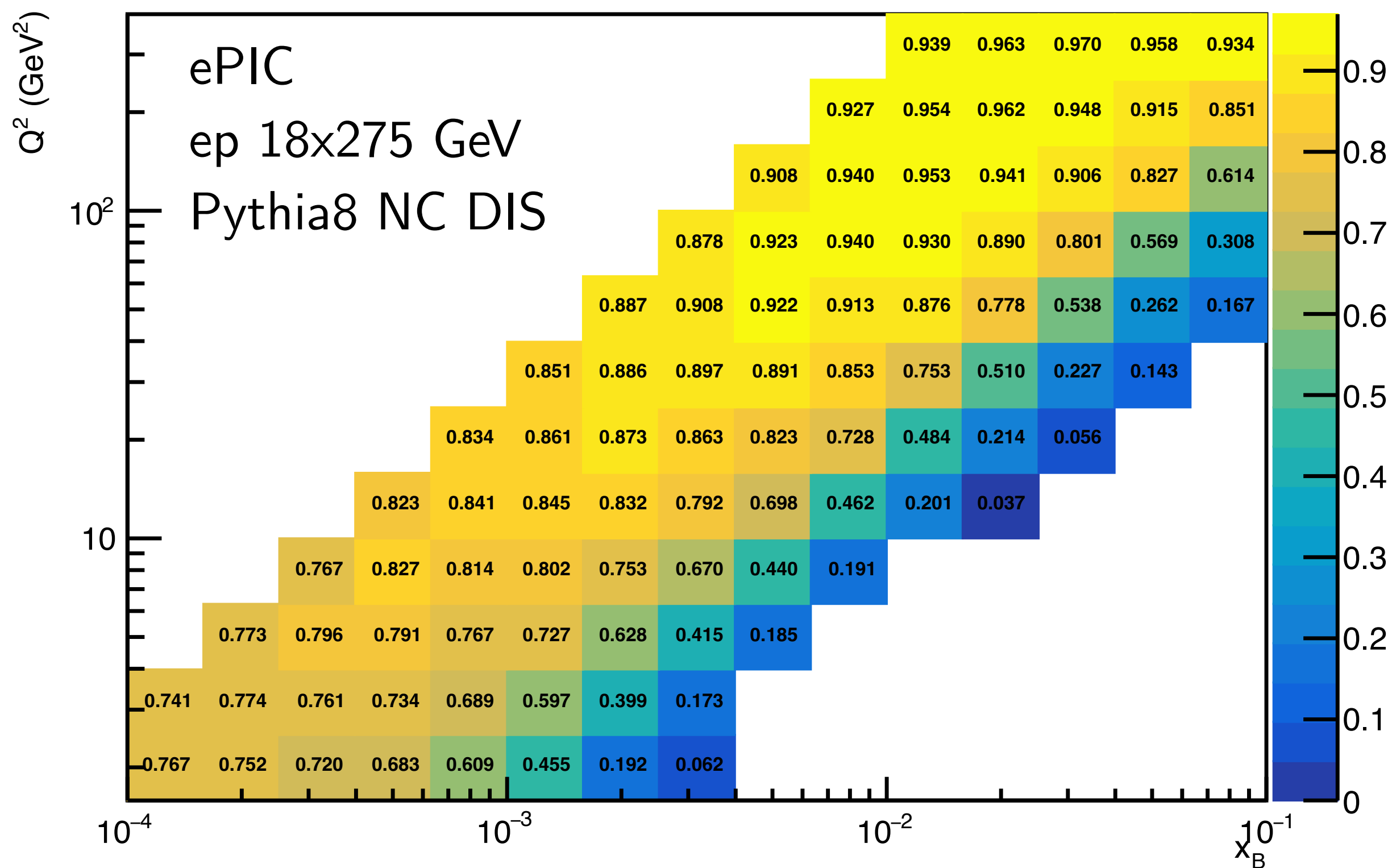


$$C_{acc} = \frac{N_{rec}(x_{gen}, Q_{gen}^2)}{N_{gen}(x_{gen}, Q_{gen}^2)}$$

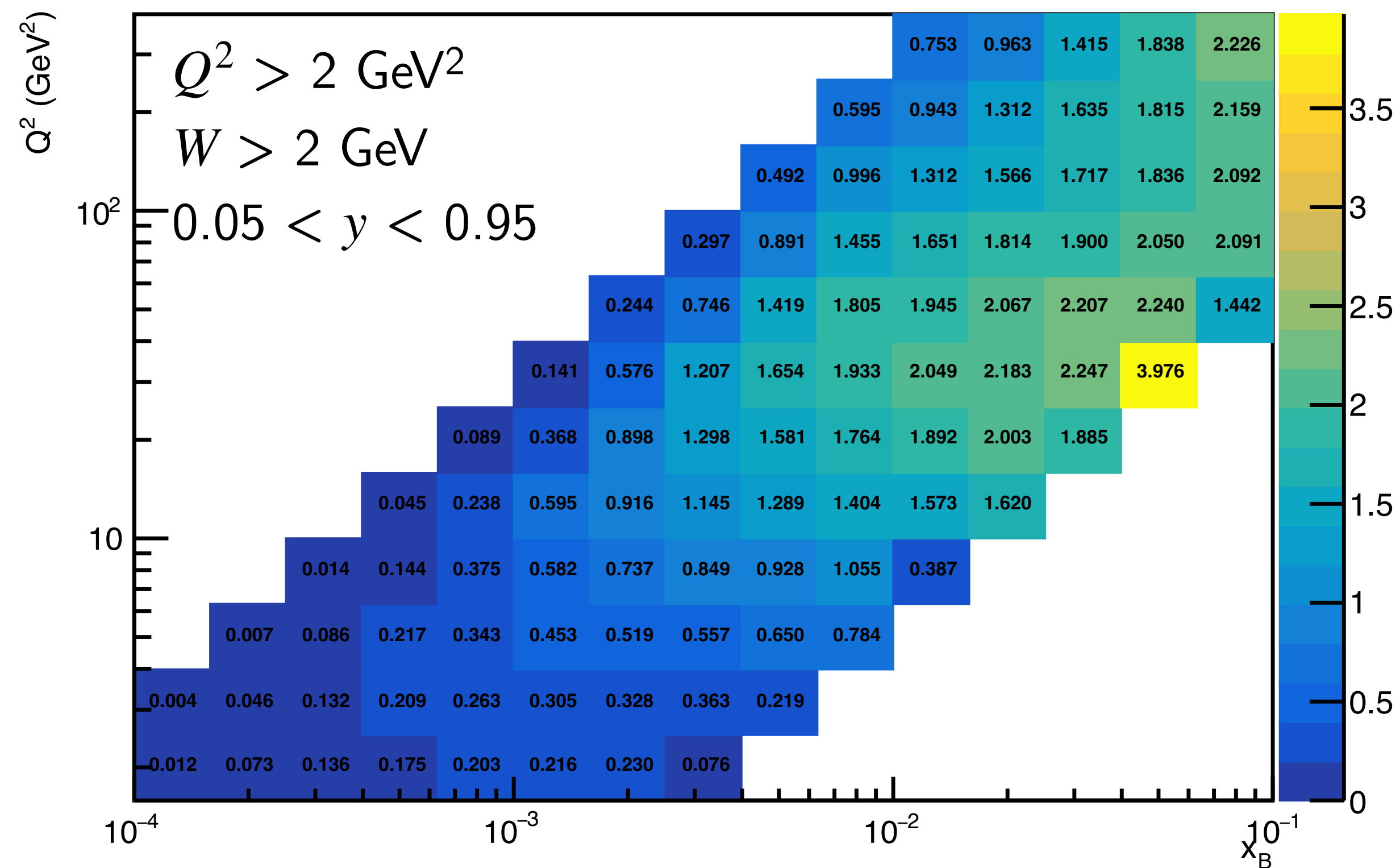
$$C_{bin} = \frac{N_{rec}(x_{rec}, Q_{rec}^2)}{N_{rec}(x_{gen}, Q_{gen}^2)}$$

Acceptance and bin migration (JB)

Acceptance



Bin migration

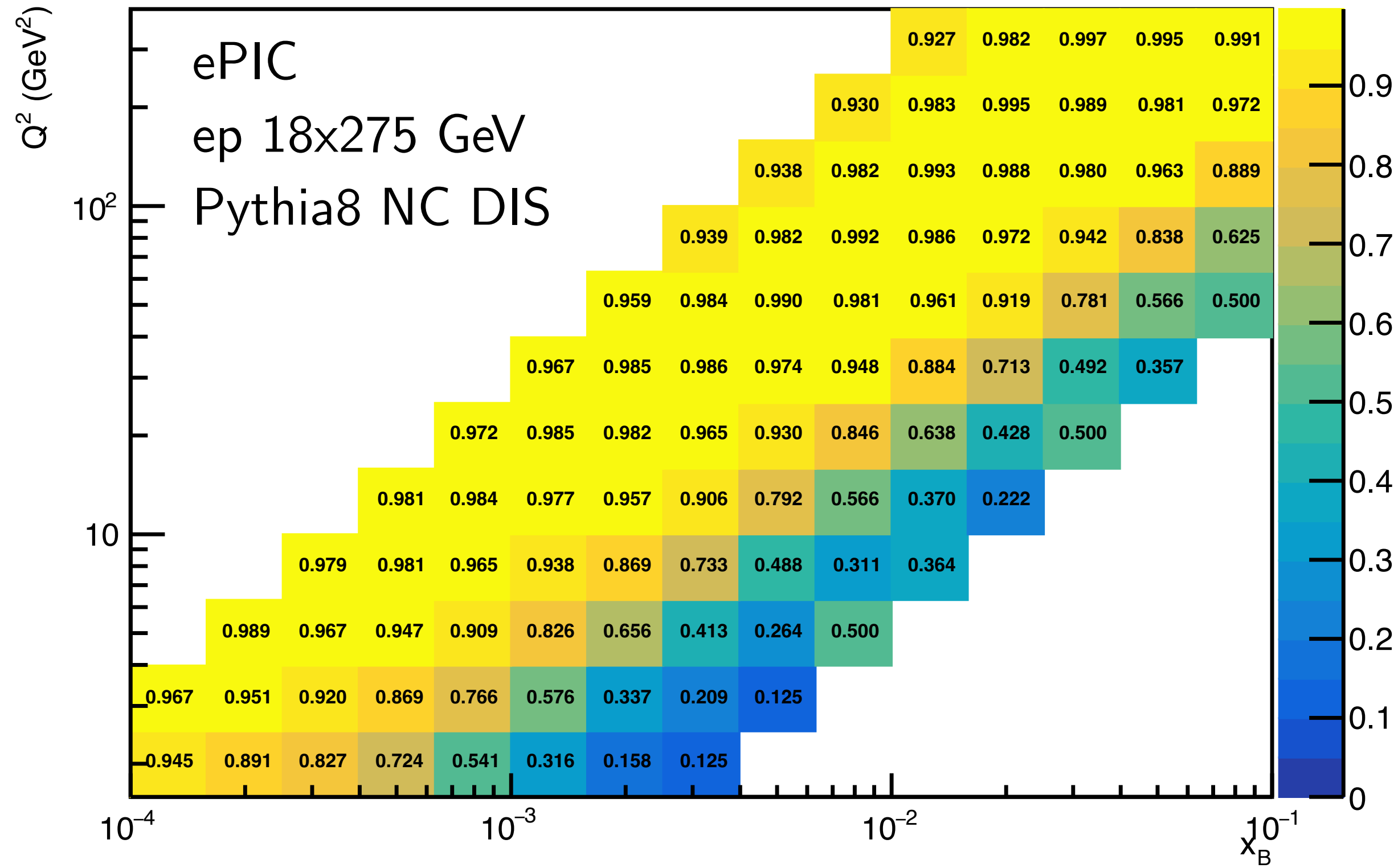


$$C_{acc} = \frac{N_{rec}(x_{gen}, Q_{gen}^2)}{N_{gen}(x_{gen}, Q_{gen}^2)}$$

$$C_{bin} = \frac{N_{rec}(x_{rec}, Q_{rec}^2)}{N_{rec}(x_{gen}, Q_{gen}^2)}$$

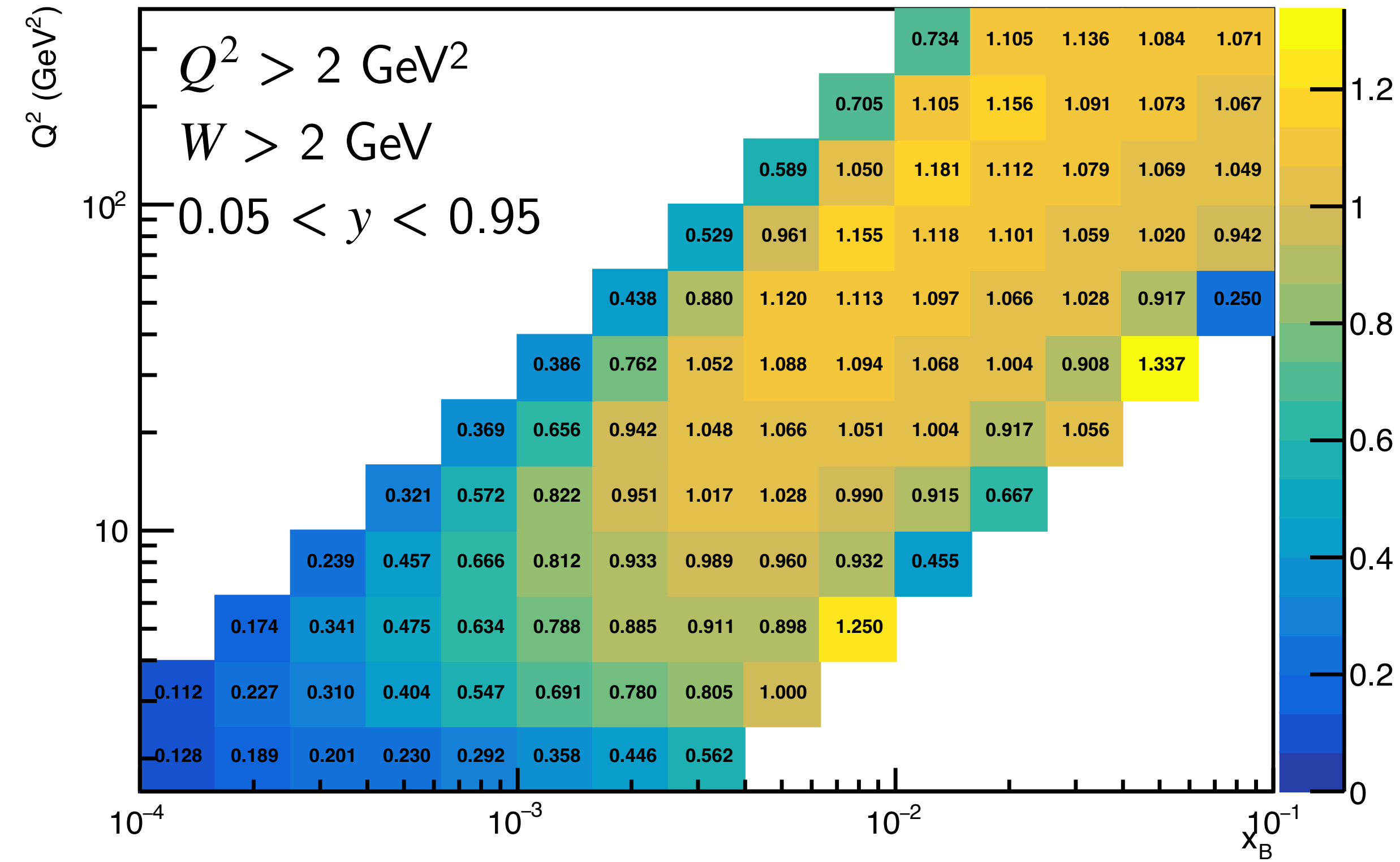
Acceptance and bin migration (DA)

Acceptance



$$C_{acc} = \frac{N_{rec}(x_{gen}, Q_{gen}^2)}{N_{gen}(x_{gen}, Q_{gen}^2)}$$

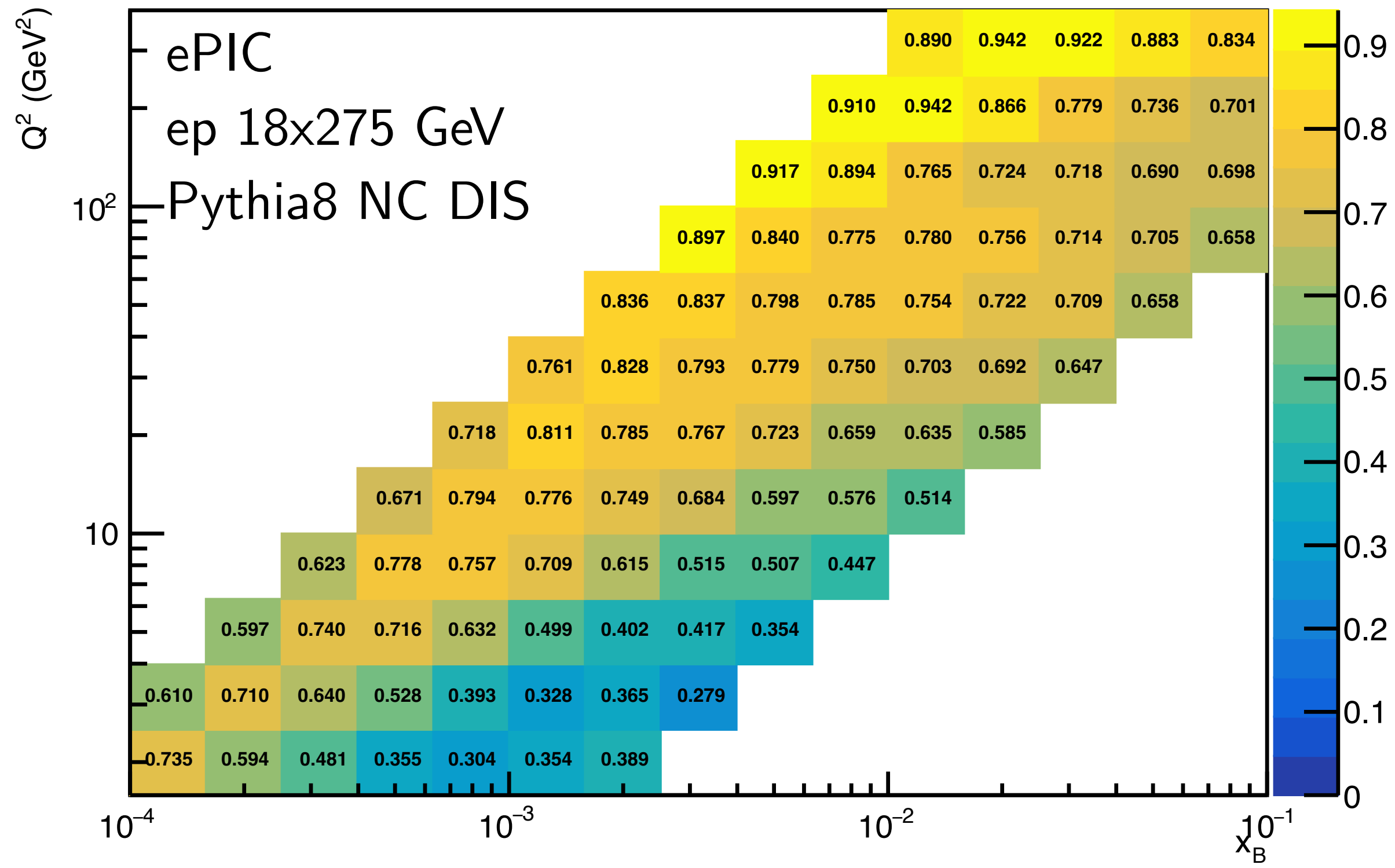
Bin migration



$$C_{bin} = \frac{N_{rec}(x_{rec}, Q_{rec}^2)}{N_{rec}(x_{gen}, Q_{gen}^2)}$$

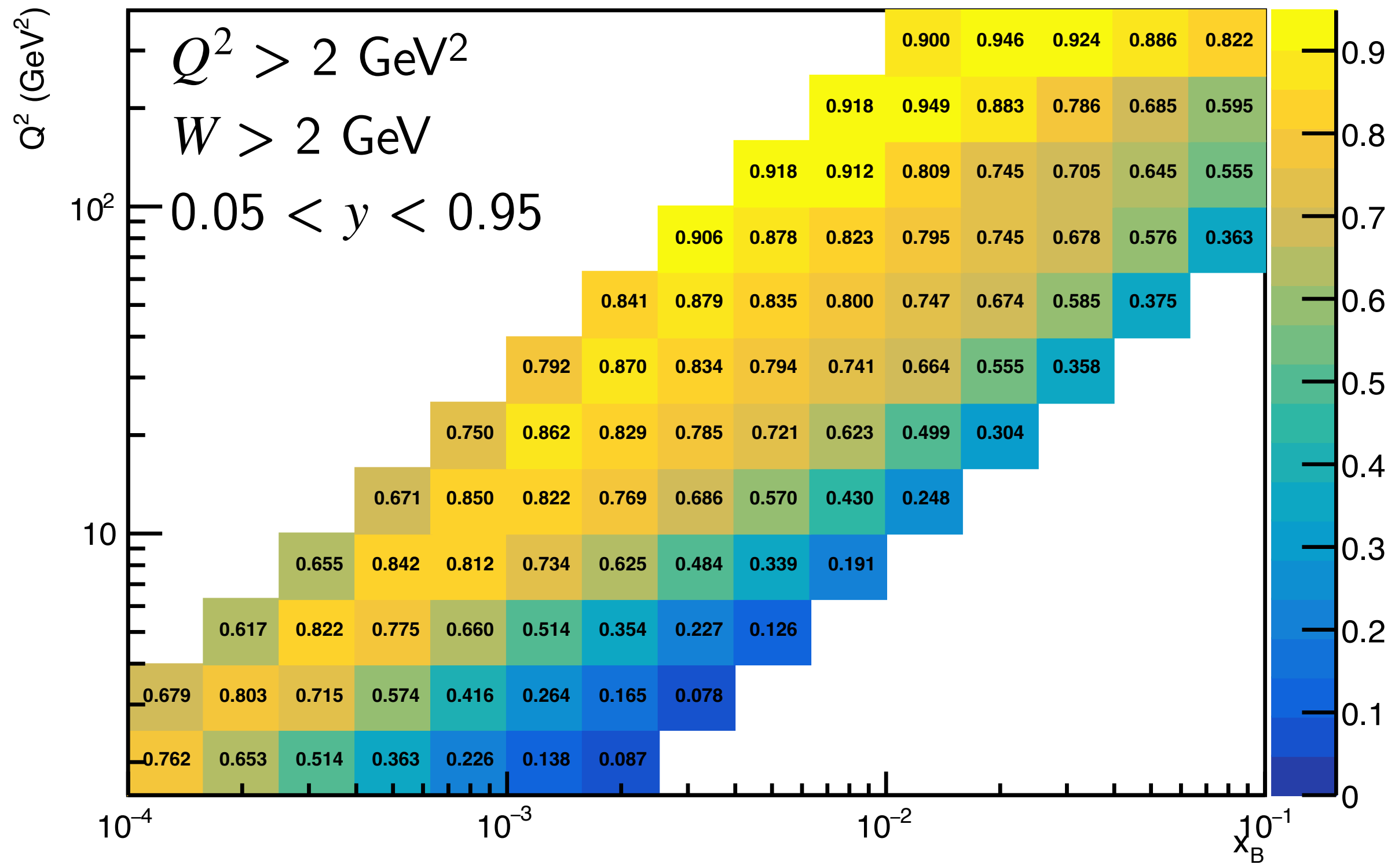
Bin stability and purity (electron track)

Bin purity



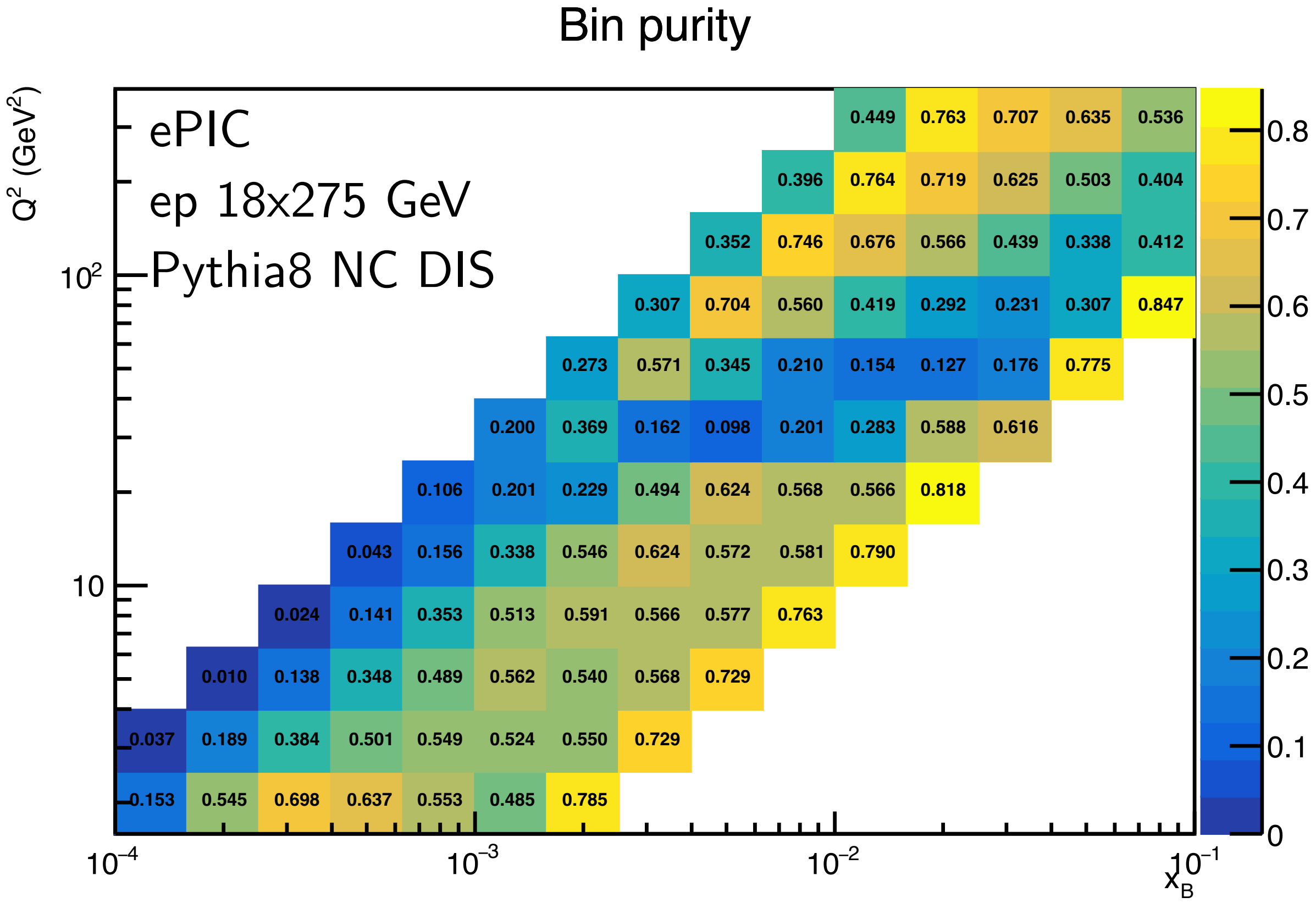
$$P = \frac{N_{gen+rec}}{N_{rec}}$$

Bin stability

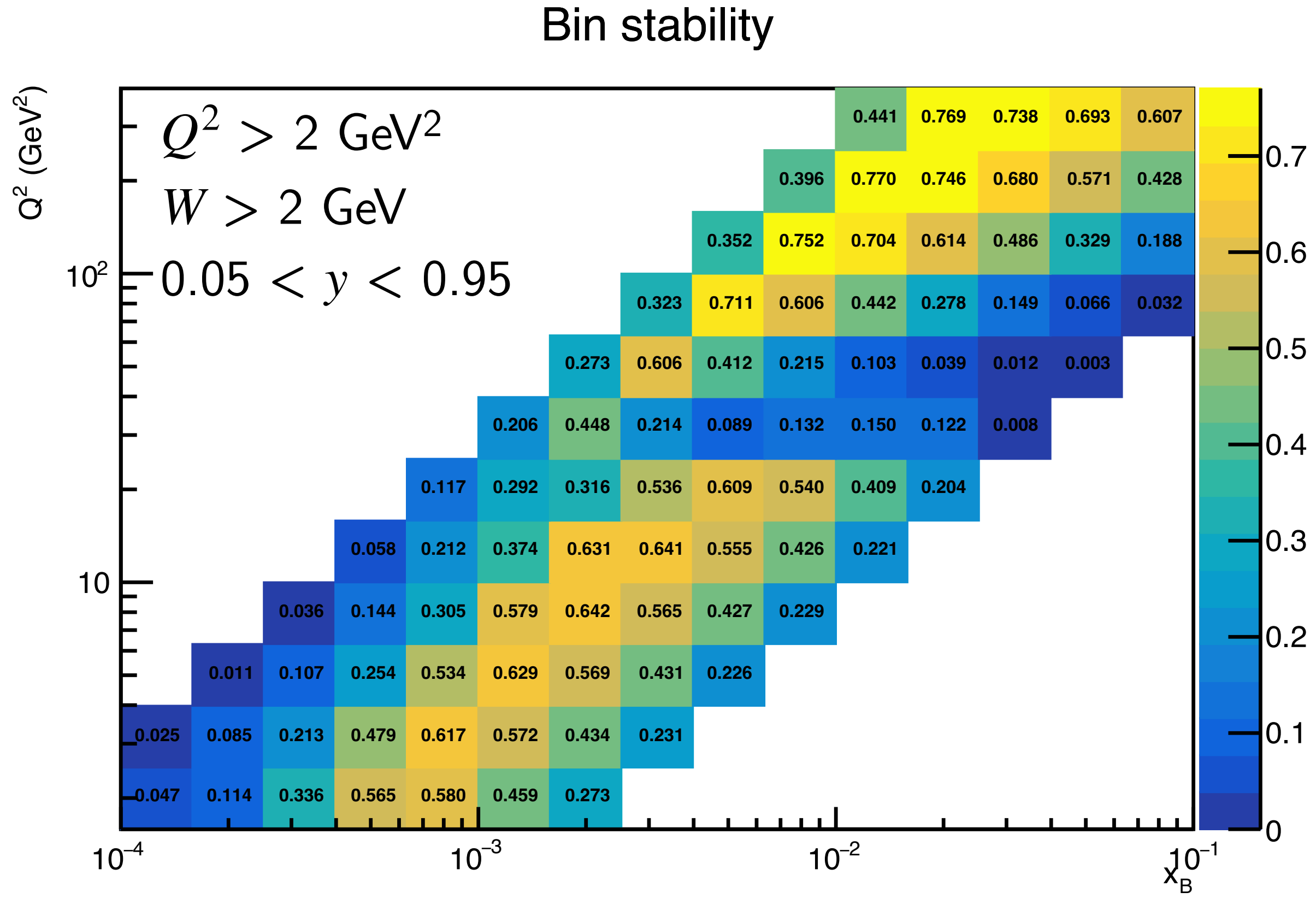


$$S = \frac{N_{gen+rec}}{N_{gen}}$$

Bin stability and purity (electron cluster)

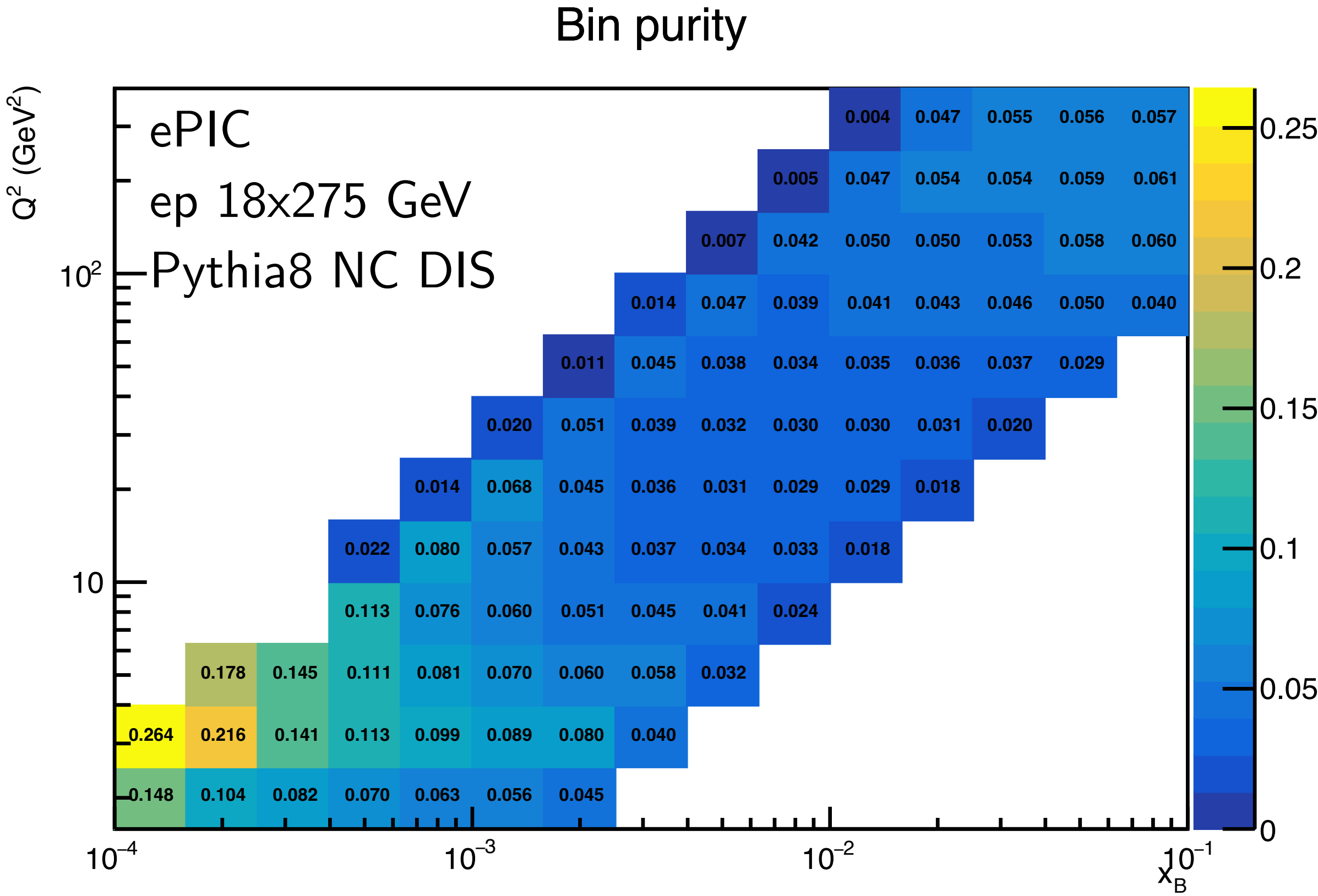


$$P = \frac{N_{gen+rec}}{N_{rec}}$$

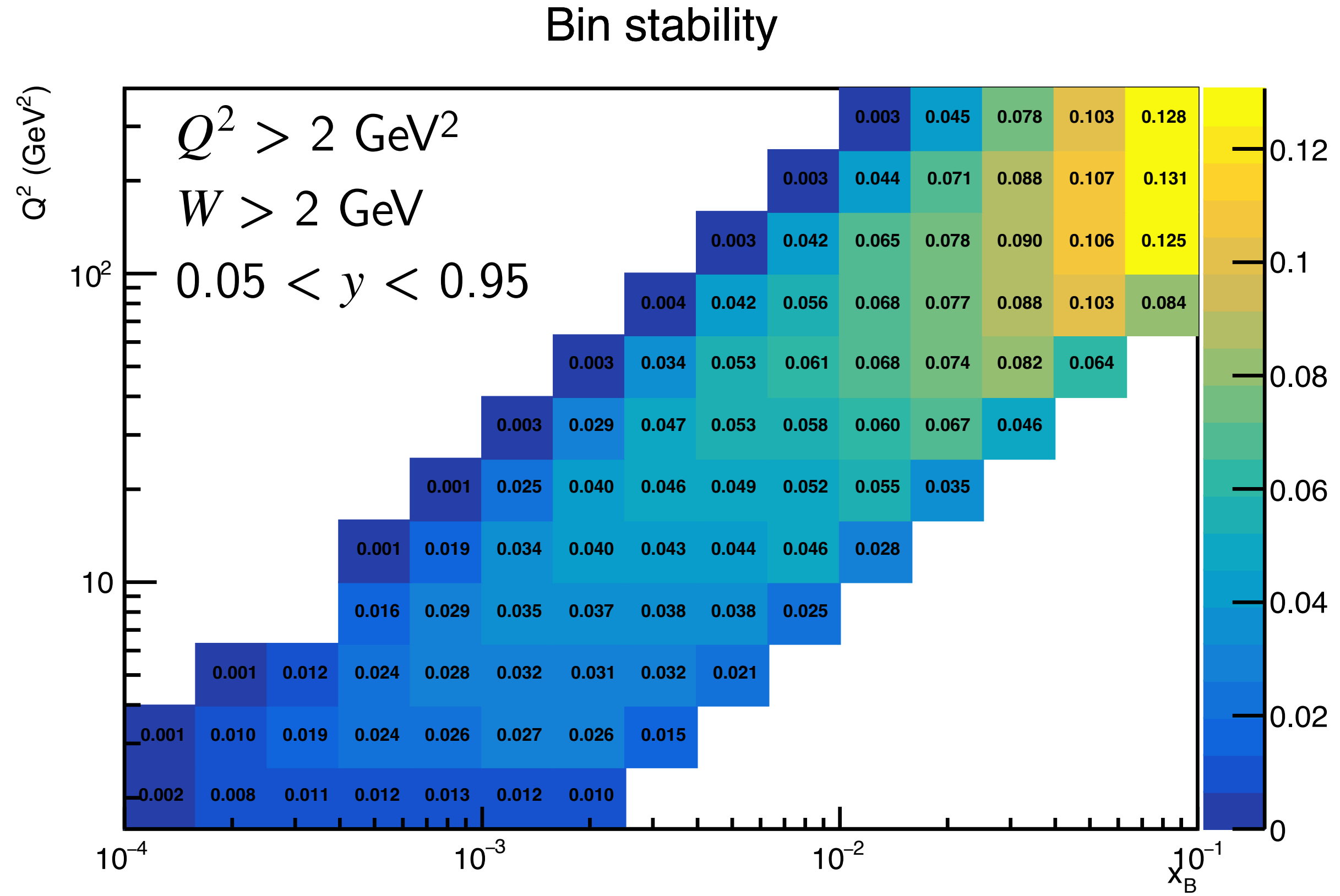


$$S = \frac{N_{gen+rec}}{N_{gen}}$$

Bin stability and purity (JB)



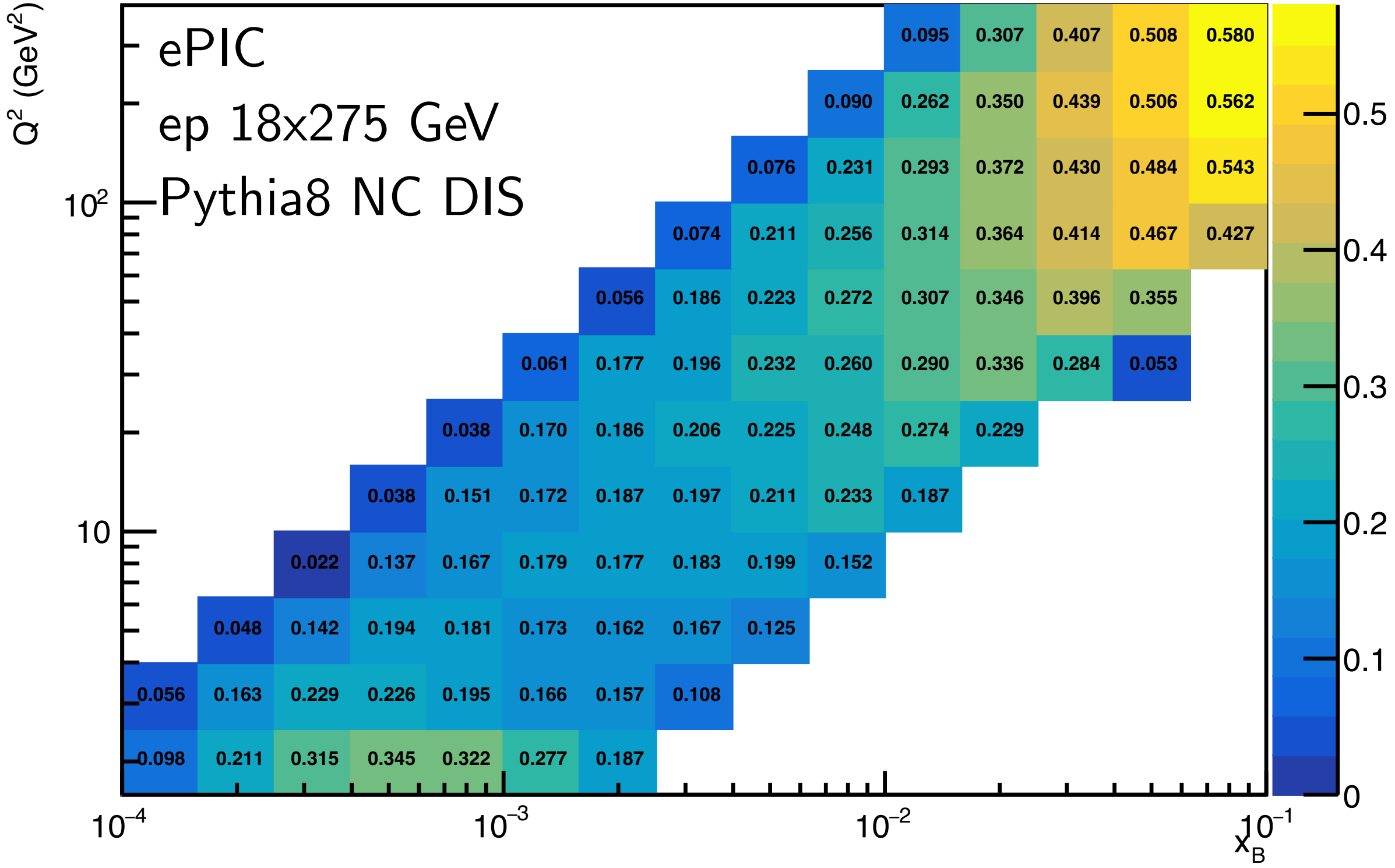
$$P = \frac{N_{gen+rec}}{N_{rec}}$$



$$S = \frac{N_{gen+rec}}{N_{gen}}$$

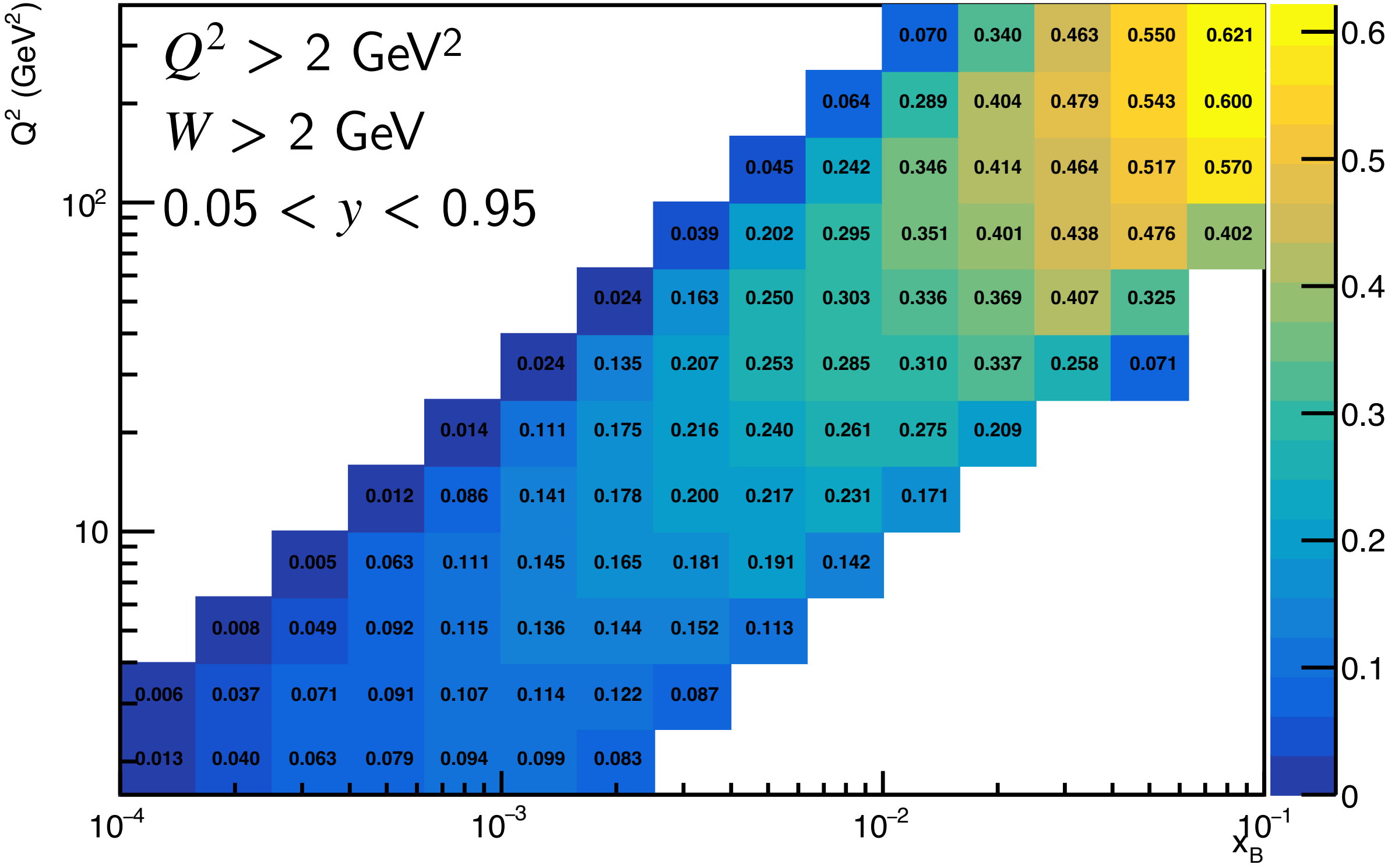
Bin stability and purity (DA)

Bin purity



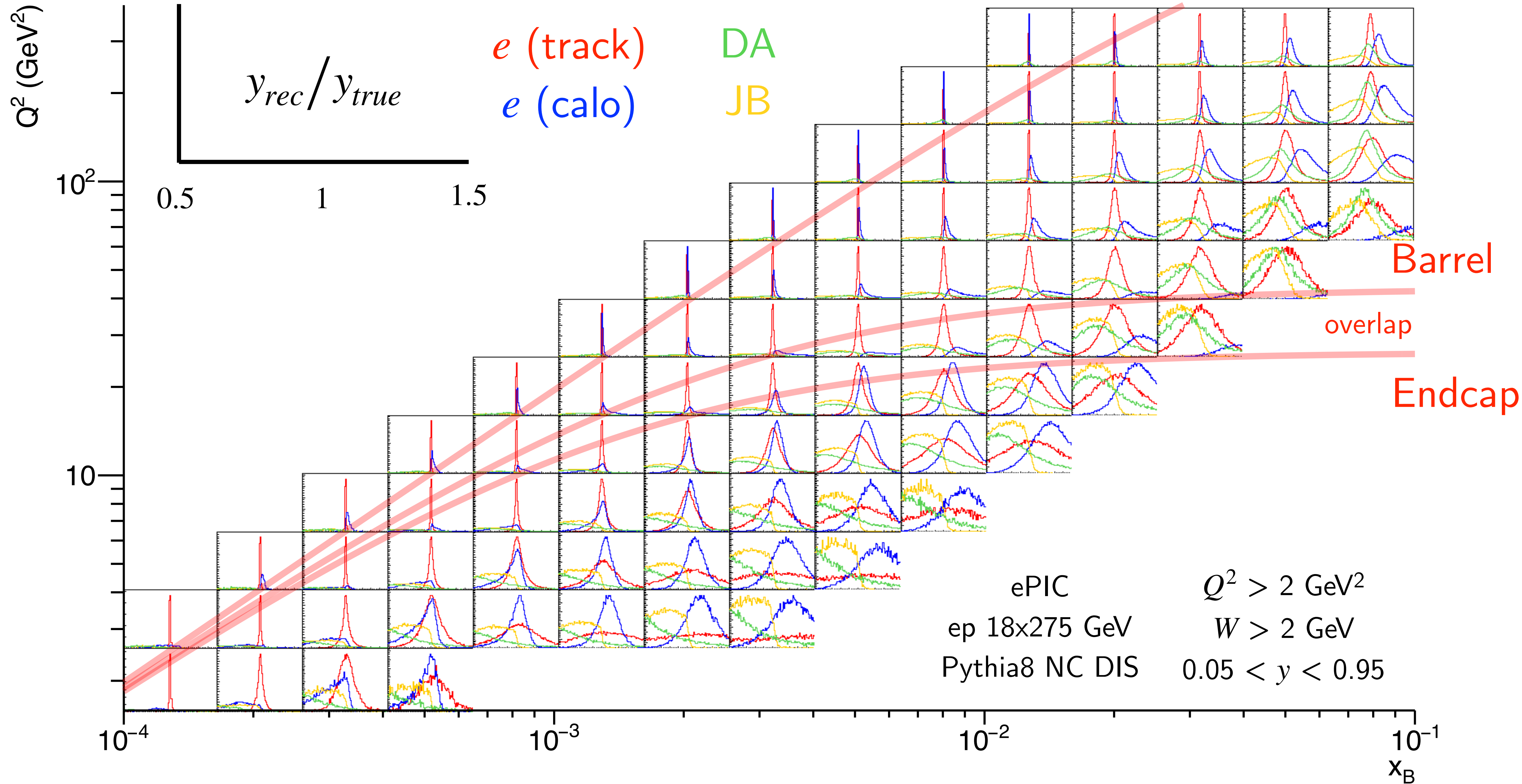
$$P = \frac{N_{gen+rec}}{N_{rec}}$$

Bin stability



$$S = \frac{N_{gen+rec}}{N_{gen}}$$

Kinematic resolutions



Kinematic resolutions

