DOUBLE PARTON INETRACTIONS

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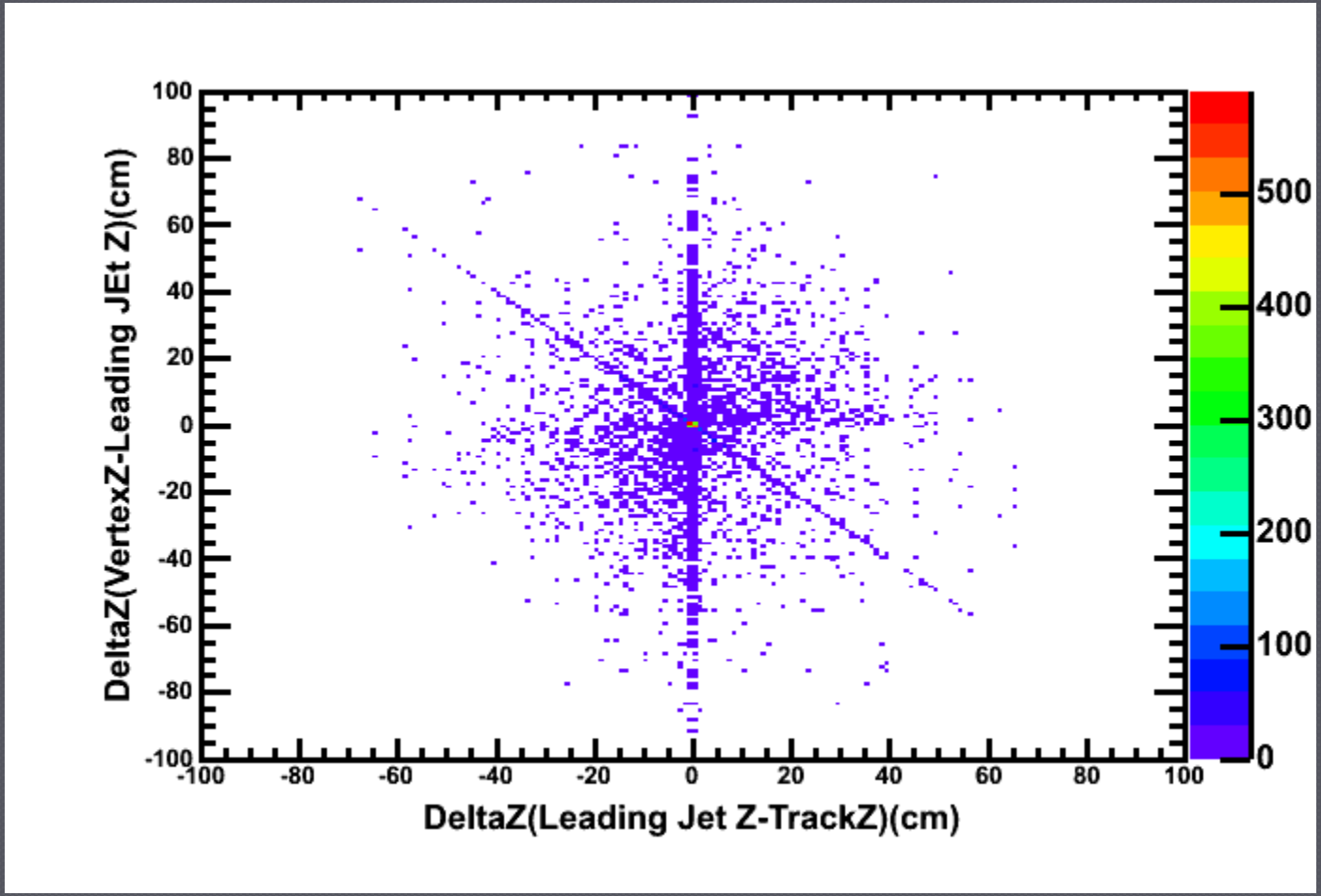
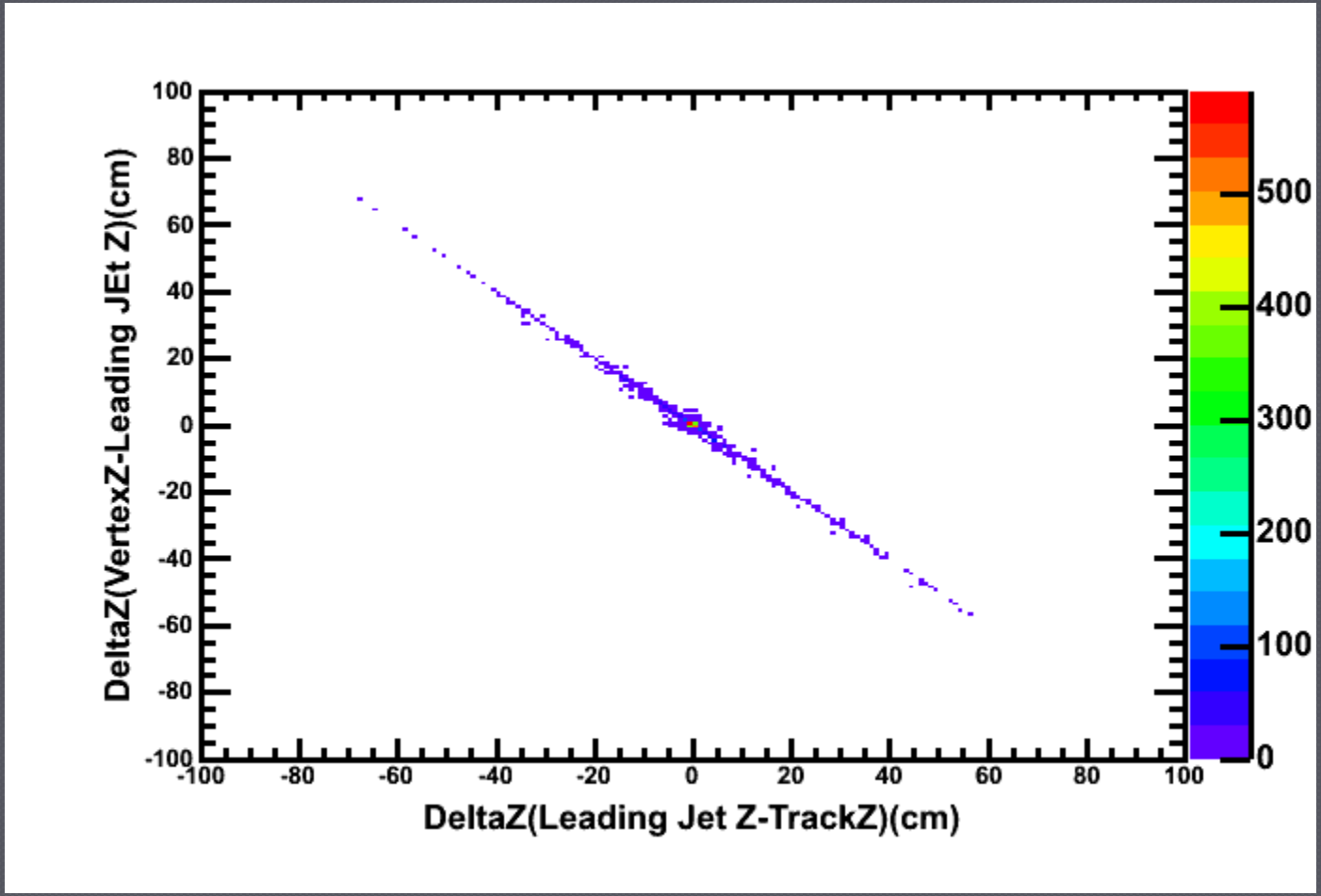
Class 12 Reconstructed Vertices and Tracks

- Each Track 11 chosen in the Jet can be associated with a class12 reconstructed Vertex using a "Vertex Number" for that Track
- These Class 12 vertices are reconstructed using the generic Zvertex algorithm
- Make sure the Track Vertex number matches with the correct Vertex

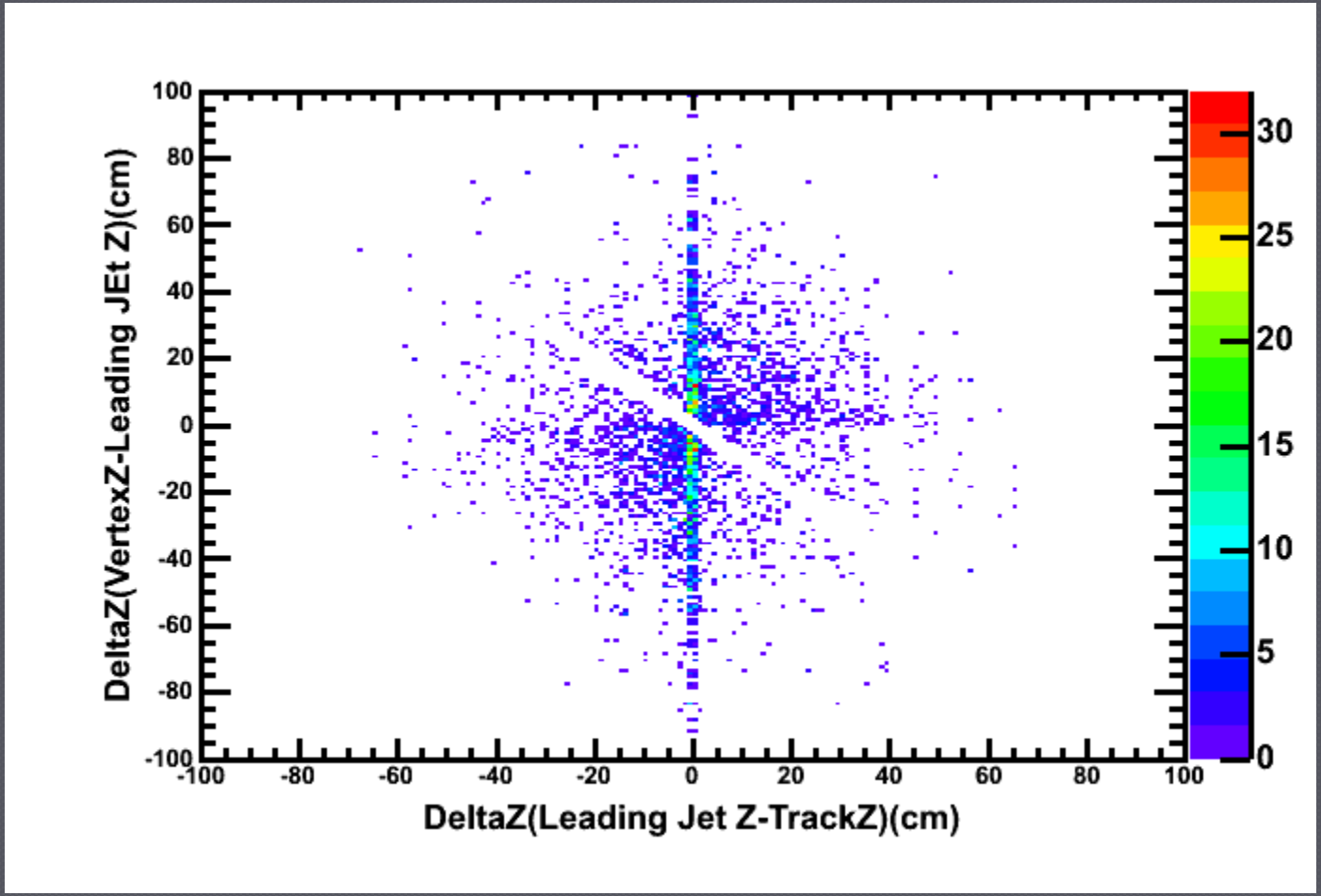
ΔZ(Jet Z-Track Z)-All Track and Vertex combinations



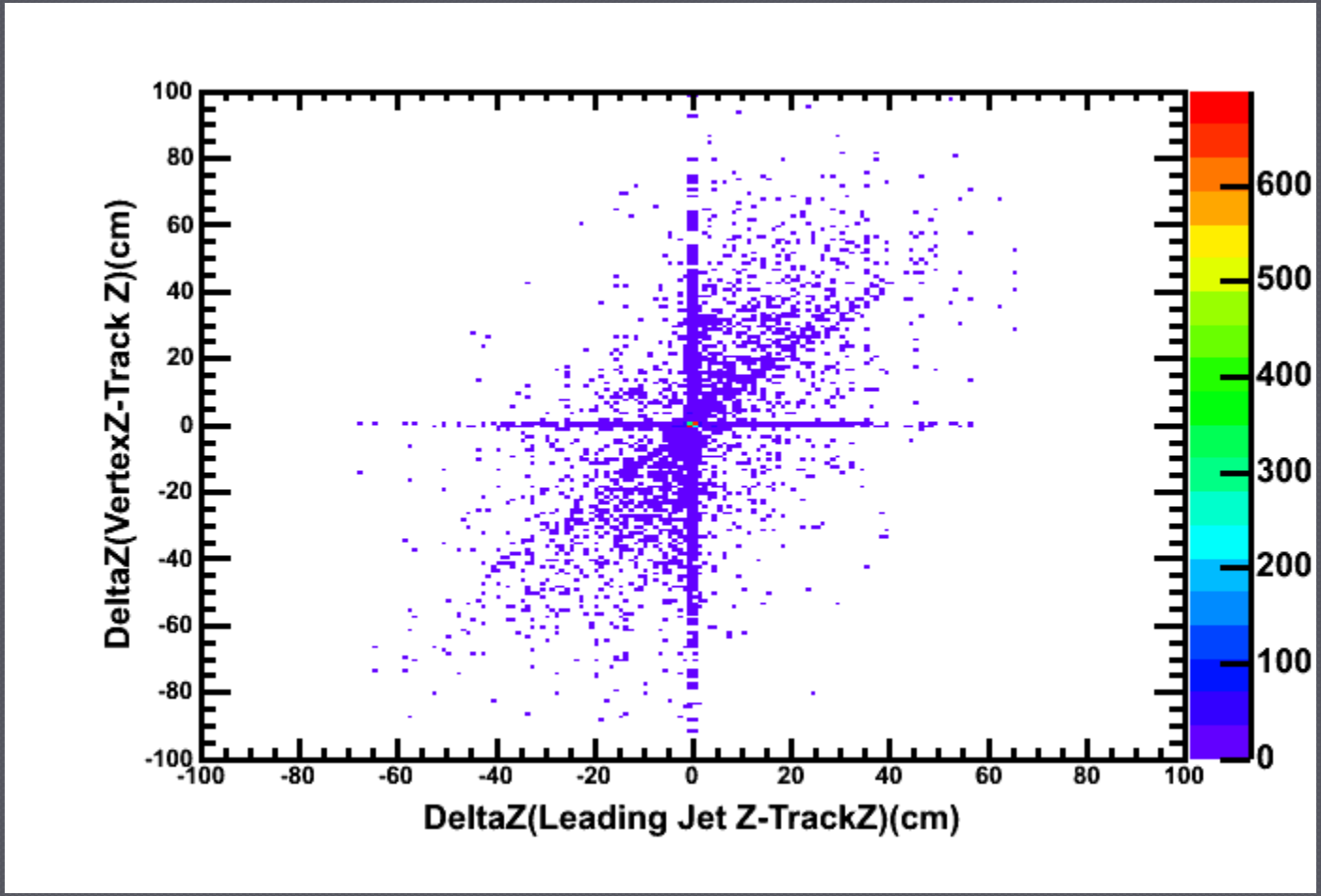
ΔZ(Jet Z-Track Z))-Equal Track and Vertex combinations



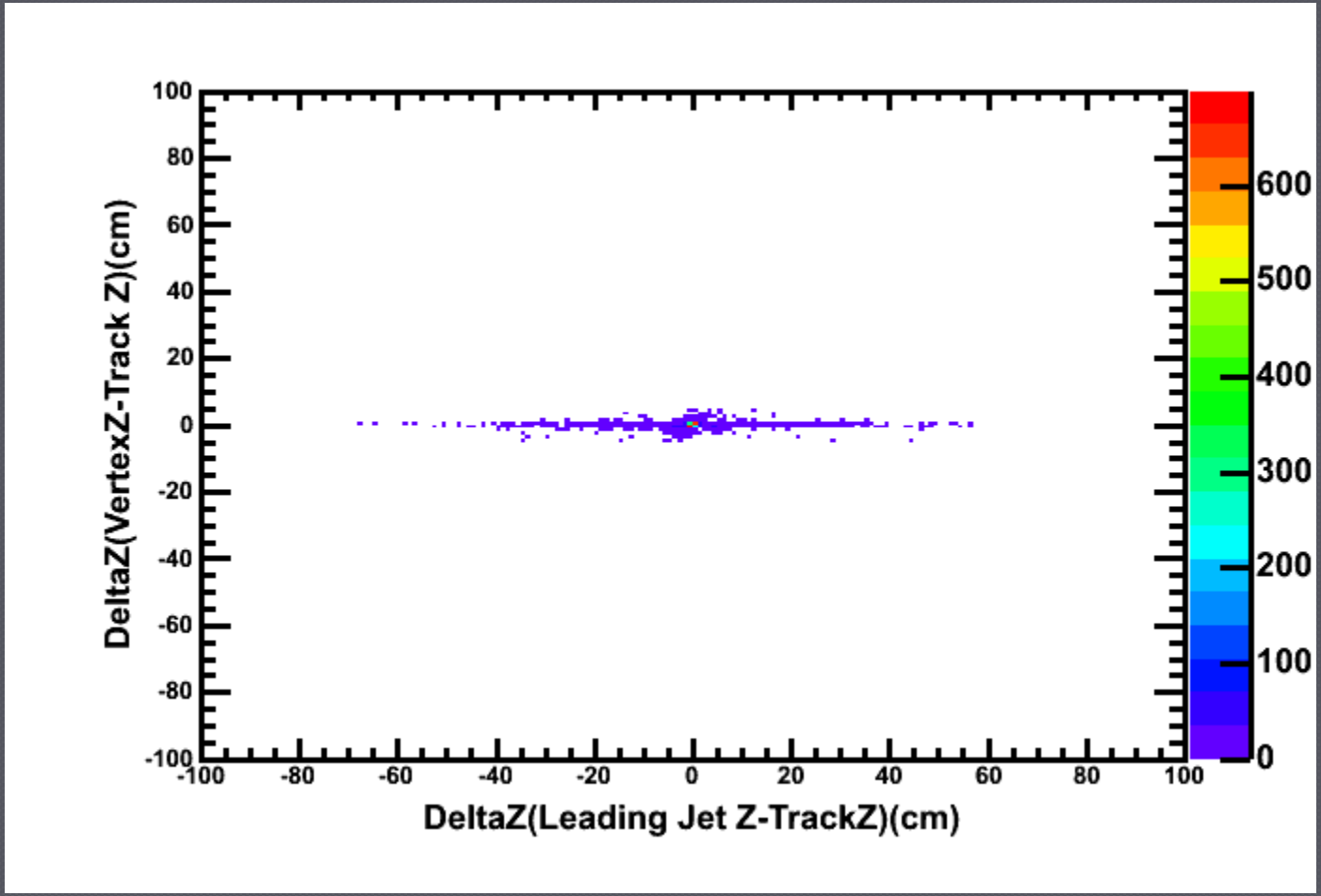
ΔZ(Jet Z-Track Z))-Not Equal Track and Vertex combinations



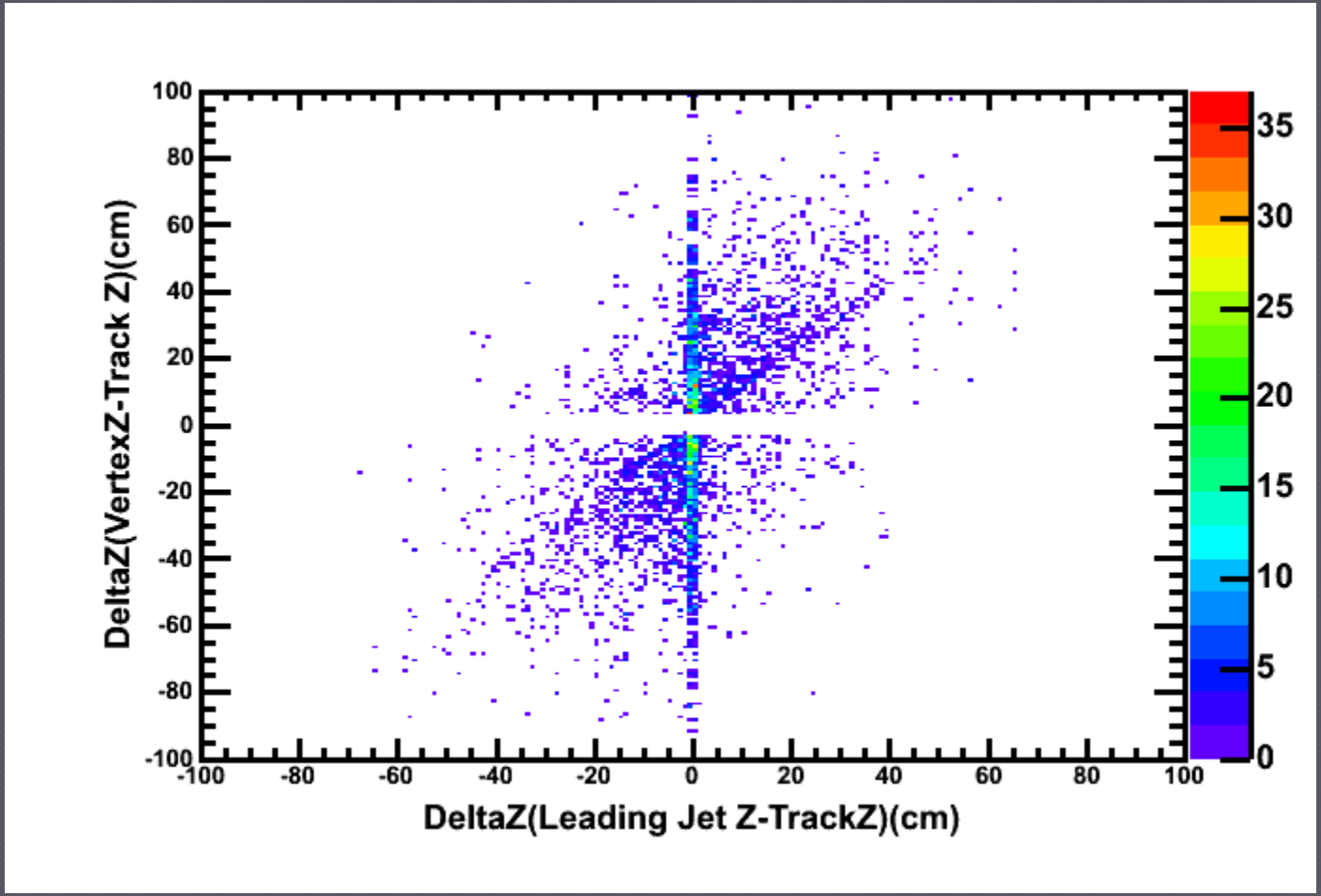
ΔZ(Jet Z-Track Z))-All Track and Vertex combinations



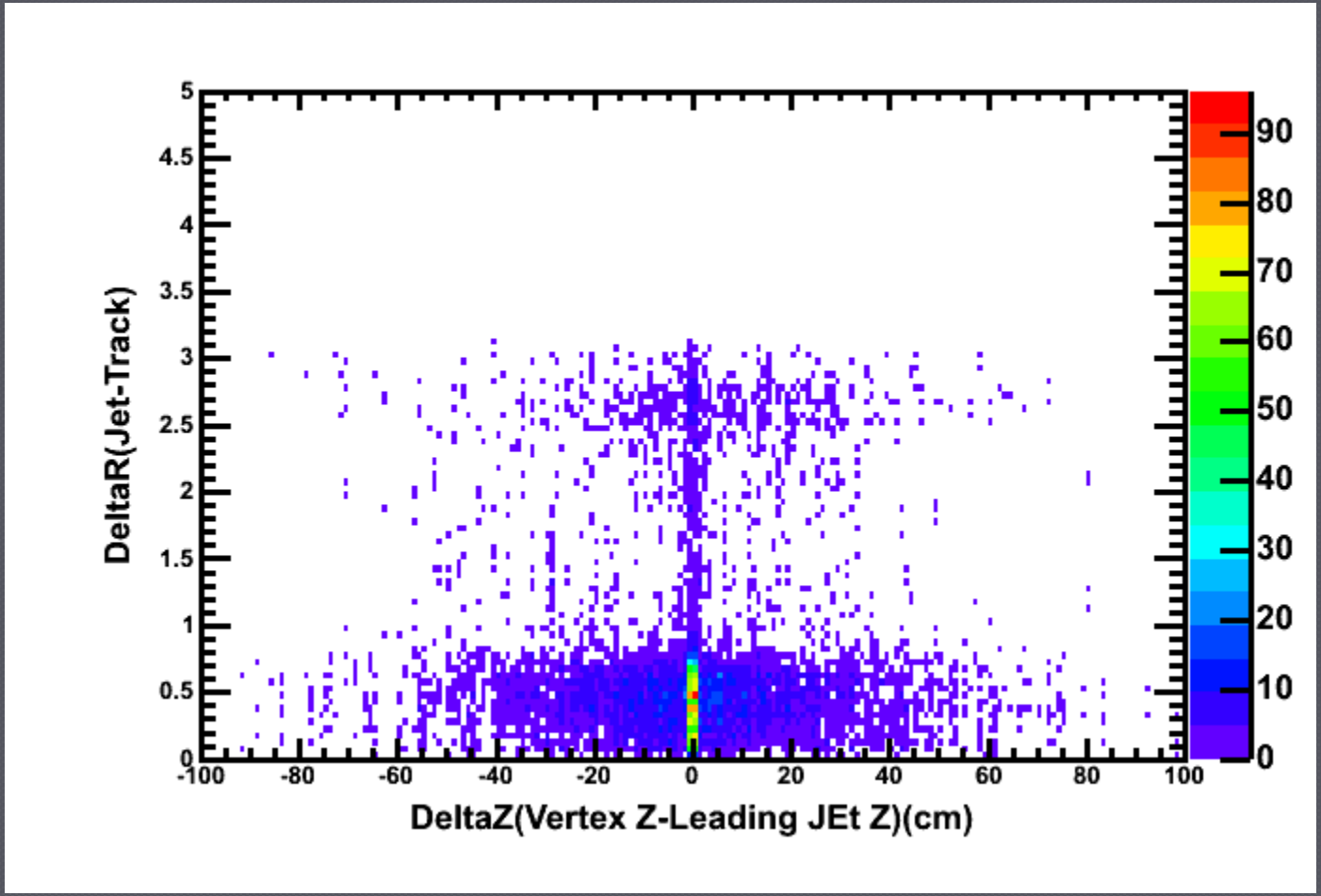
ΔZ(Jet Z-Track Z))-Equal Track and Vertex combinations



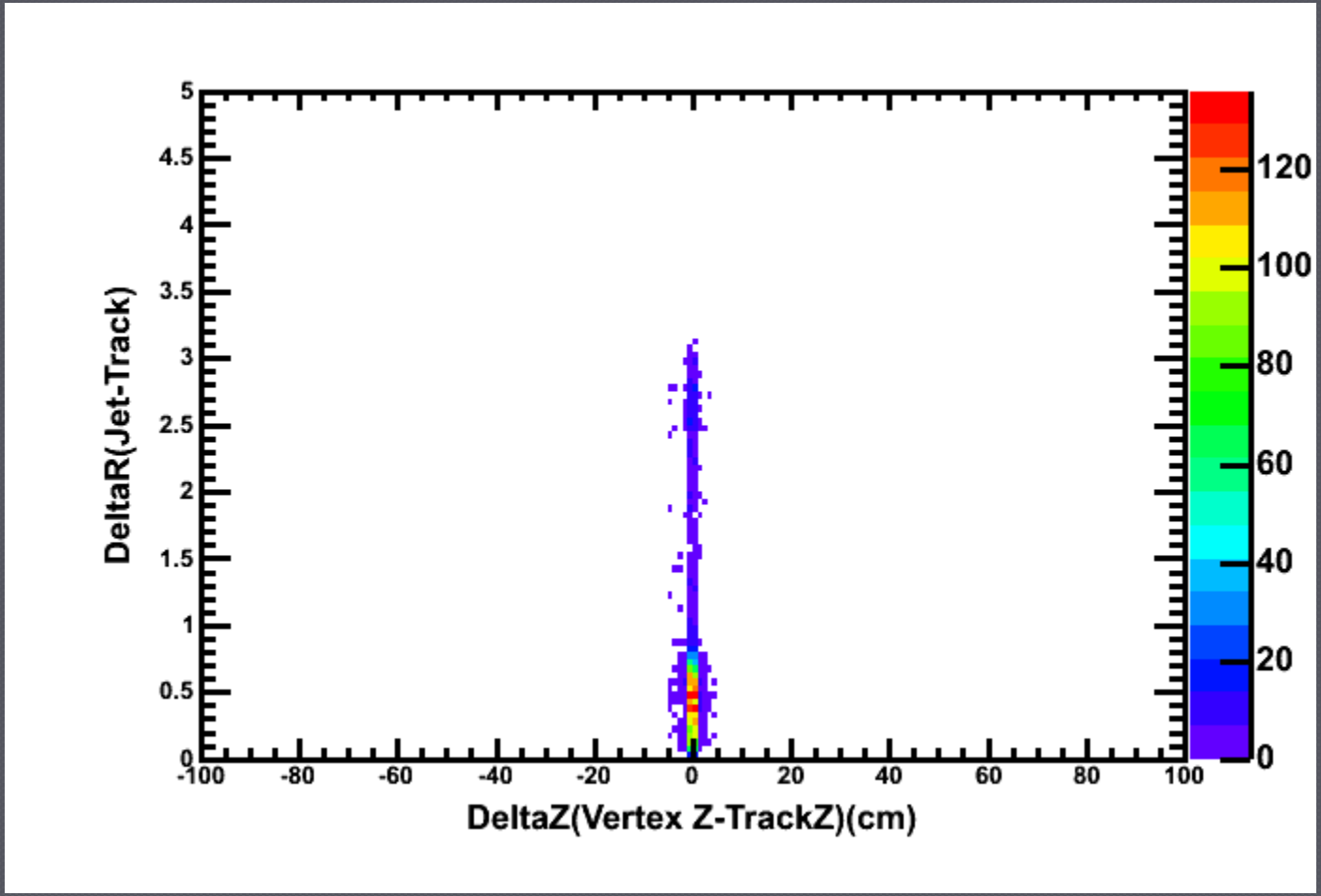
ΔZ(Jet Z-Track Z))-Not Equal Track and Vertex combinations



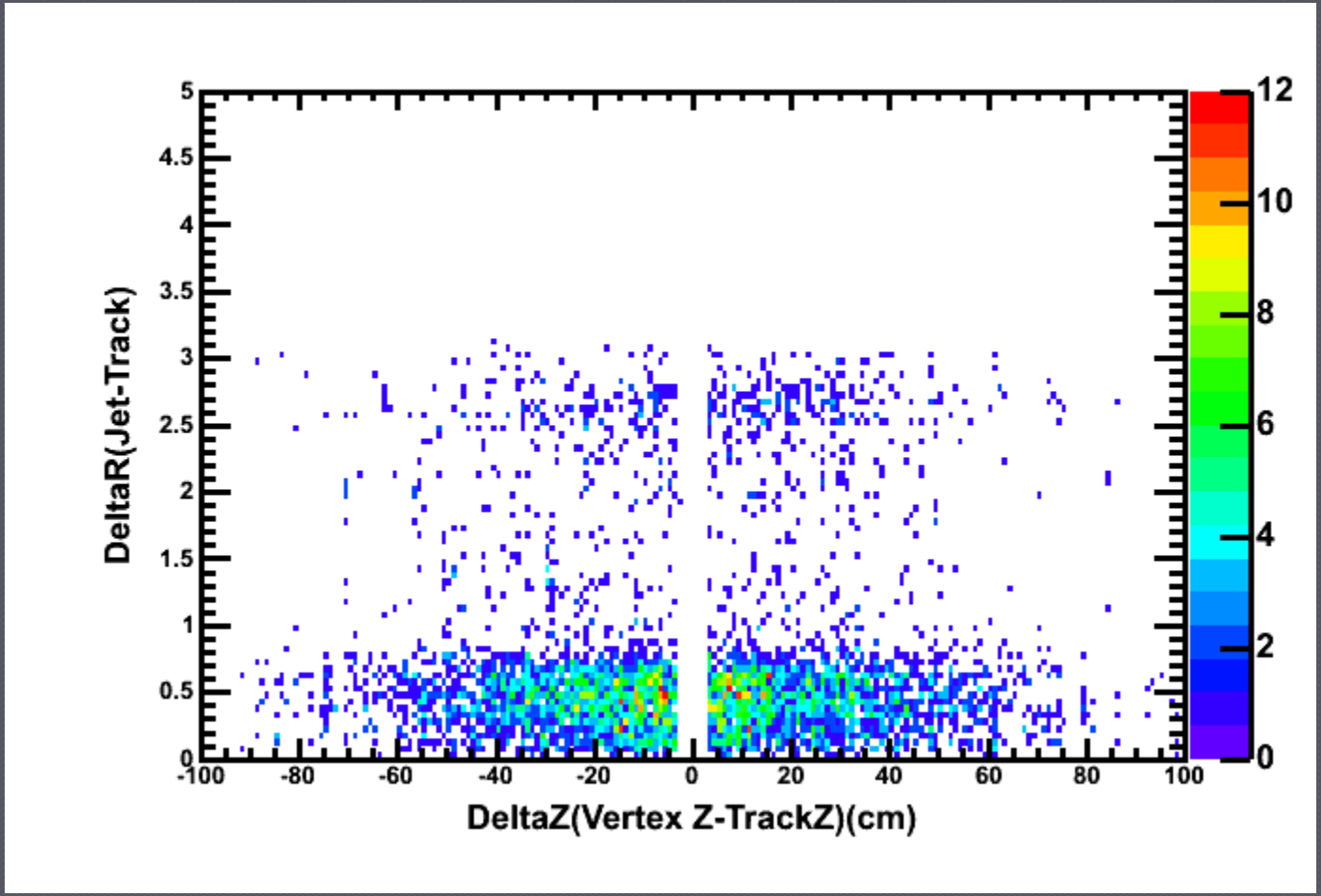
ΔZ(Jet Z-Track Z))-All Track and Vertex combinations



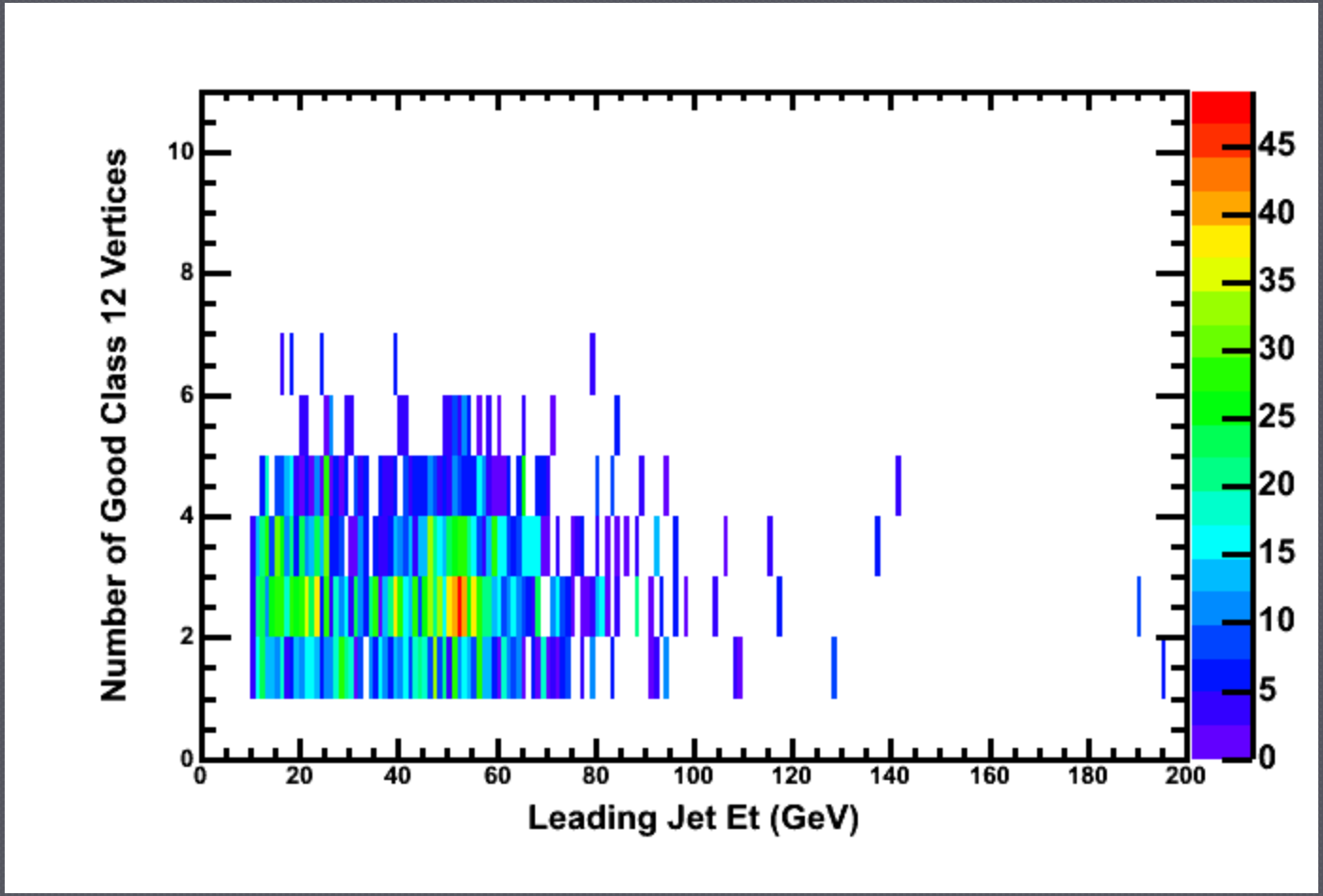
ΔZ(Jet Z-Track Z))-Equal Track and Vertex combinations



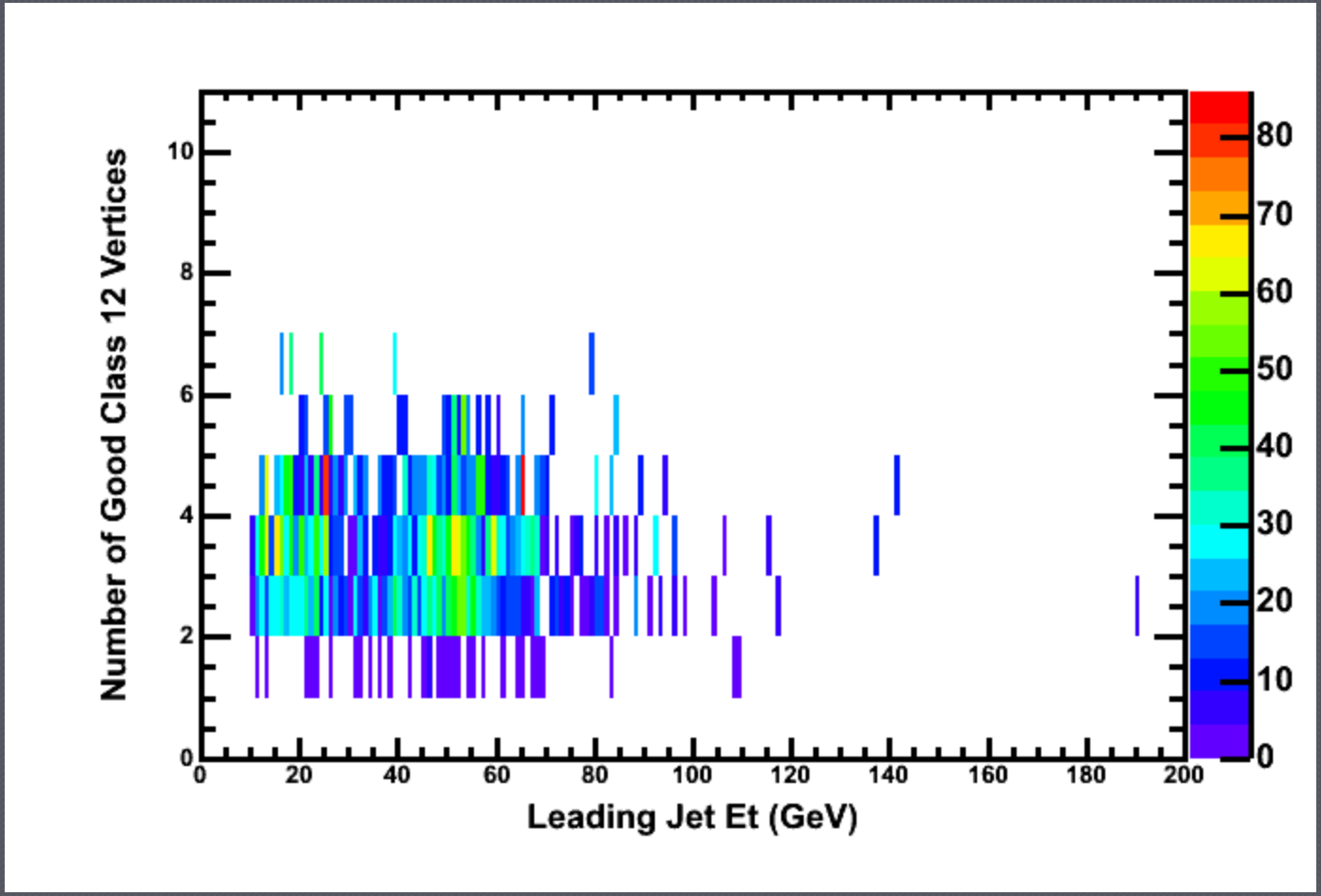
ΔZ(Jet Z-Track Z))-Not Equal Track and Vertex combinations



Leading Jet Et Vs Number of Good Vertices)-Equal Track and Vertex combinations



Leading Jet Et Vs Number of Good Vertices)-Not Equal Track and Vertex combinations



Conclusions

1. Only Pick Tracks whose Vertex Number matches with the Number of the Vertices they are associated with
2. Further More ,restrict the Jet to have only one good reconstructed Vertex within/associated with it