

Photon ennergy correction

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1 Introduction

We apply photon energy correction for same and different sectors. Function that have benn used for correction is $f/(E) = 1.185 - 0.03272/E + 0.00243/E^2 - 0.0001301/E^3$ and for different sectors $f/(E) = 1.213 - 0.03917/E + 0.003065/E^2 - 0.00009897/E^3$

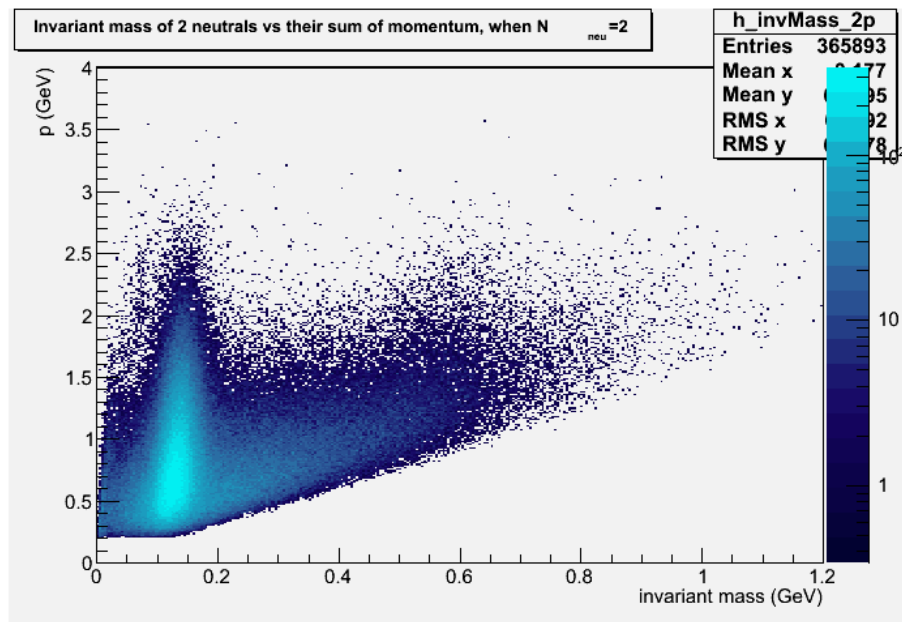


Figure 1: The invariant mass vs momentum of π^0 for all registered photons

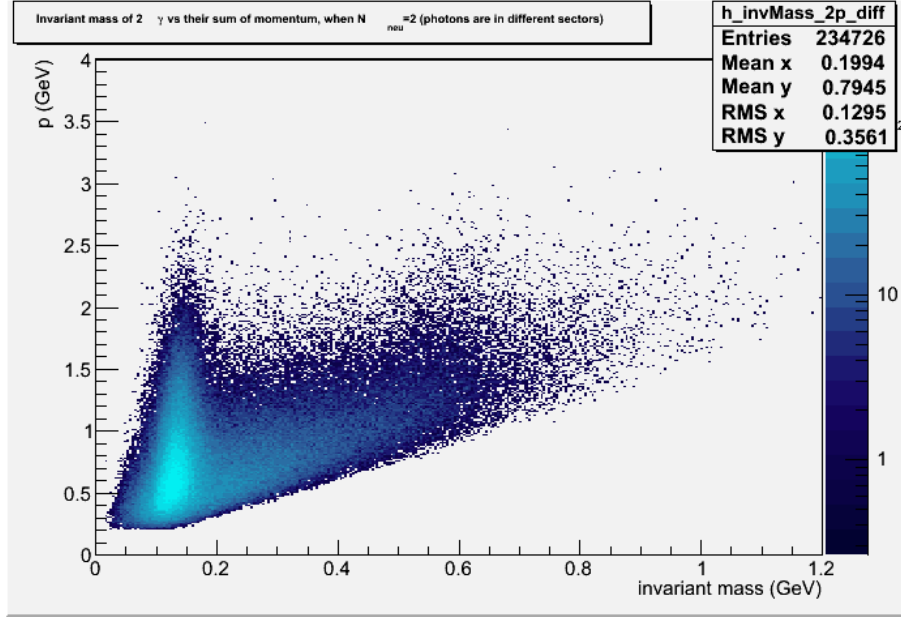


Figure 2: The invariant mass vs momentum of π^0 for photons which registered in the different sector

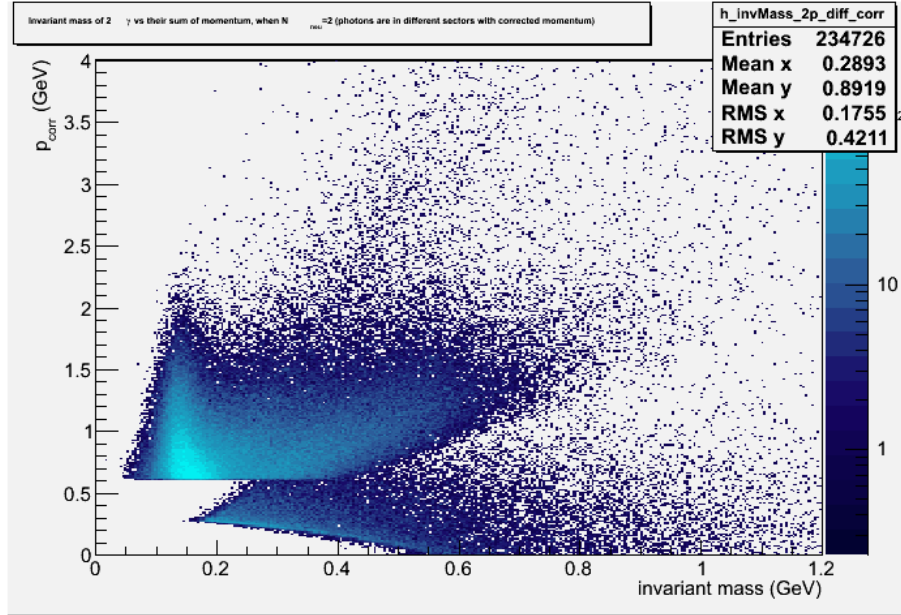


Figure 3: The invariant mass vs momentum of π^0 after applying photon energy correction for photons which registered in the different sector

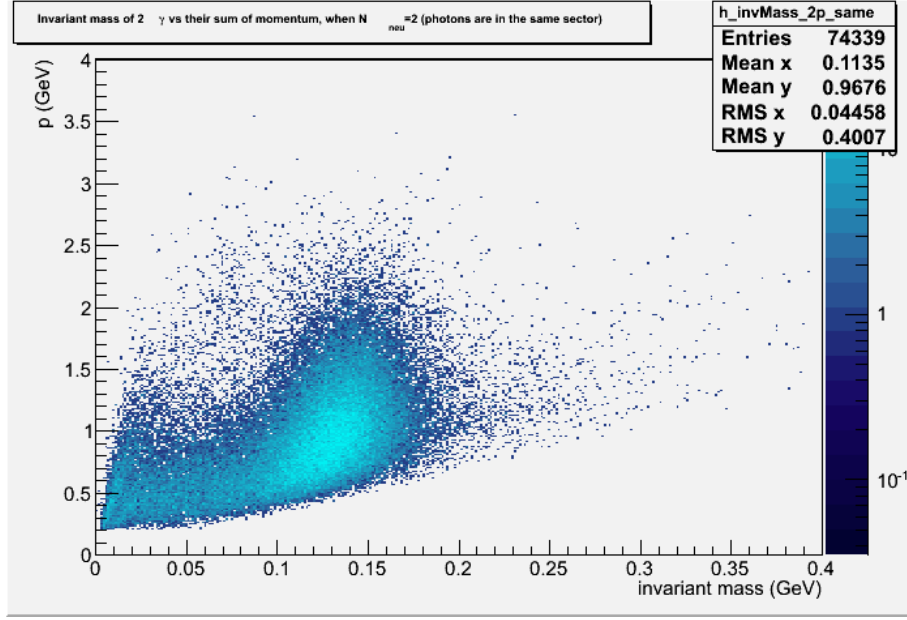


Figure 4: The invariant mass vs momentum of π^0 for photons which registered in the same sector

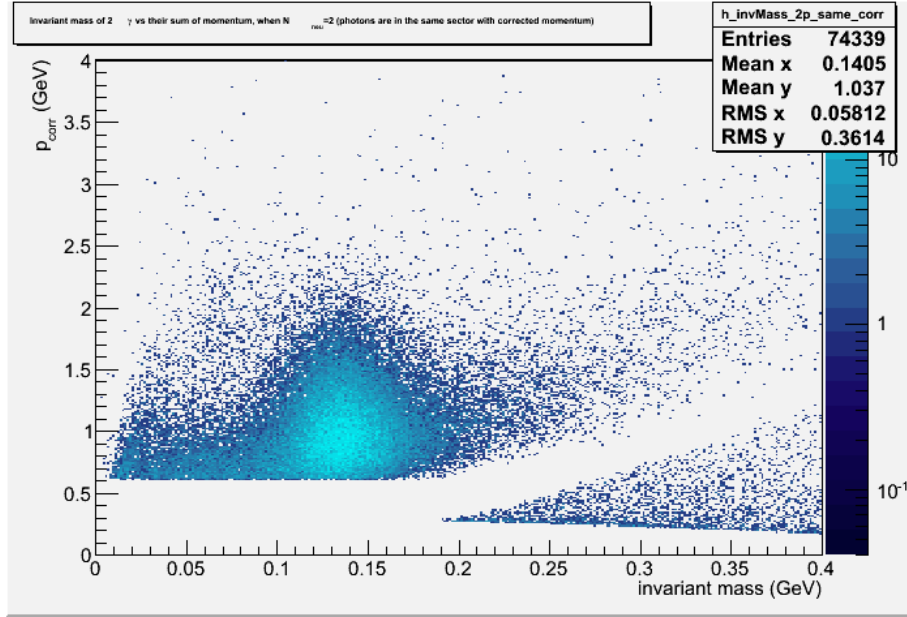


Figure 5: The invariant mass vs momentum of π^0 after applying photon energy correction for photons which registered in the same sector

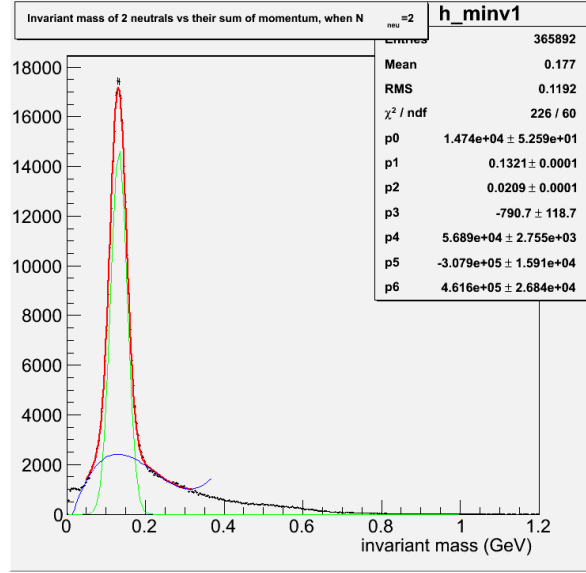


Figure 6: The invariant mass of π^0 for all registered photons

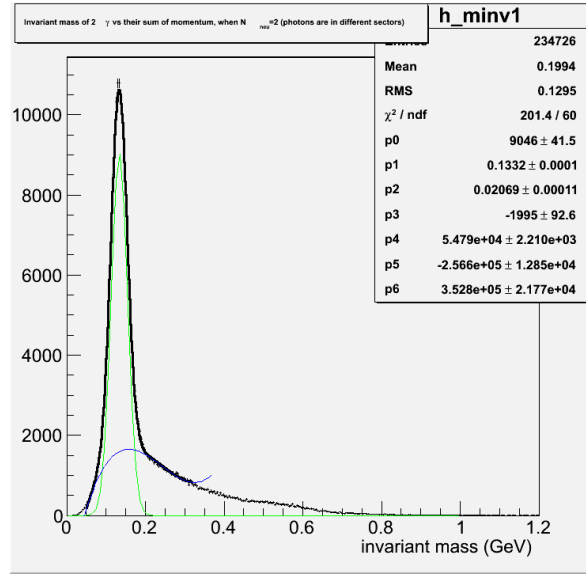


Figure 7: The invariant mass of π^0 for photons which registered in the different sector

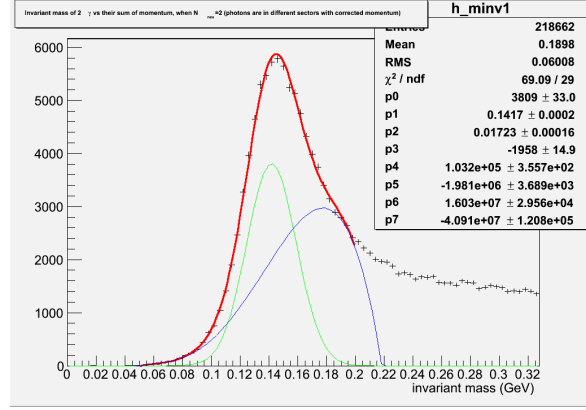


Figure 8: The invariant mass of π^0 after applying photon energy correction for photons which registered in the different sector

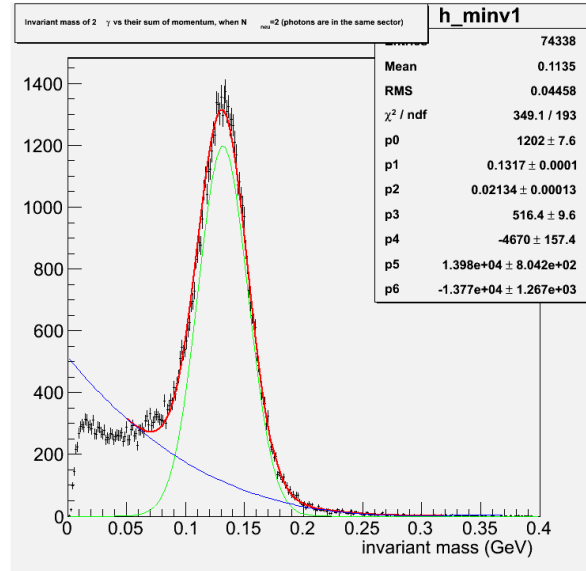


Figure 9: The invariant mass of π^0 for photons which registered in the same sector

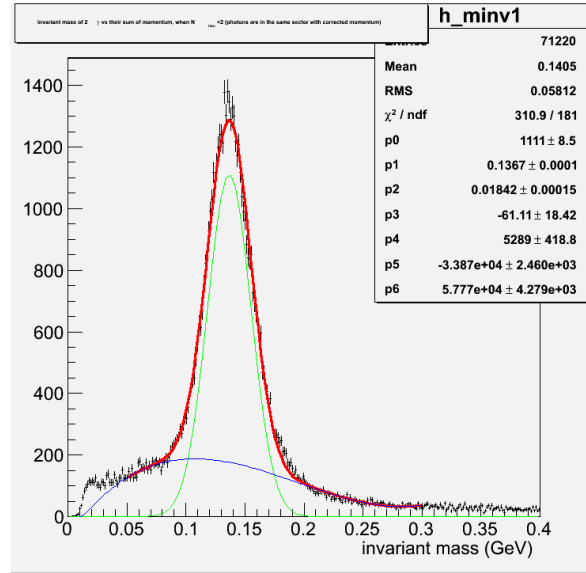


Figure 10: The invariant mass of π^0 after applying photon energy correction for photons which registered in the same sector