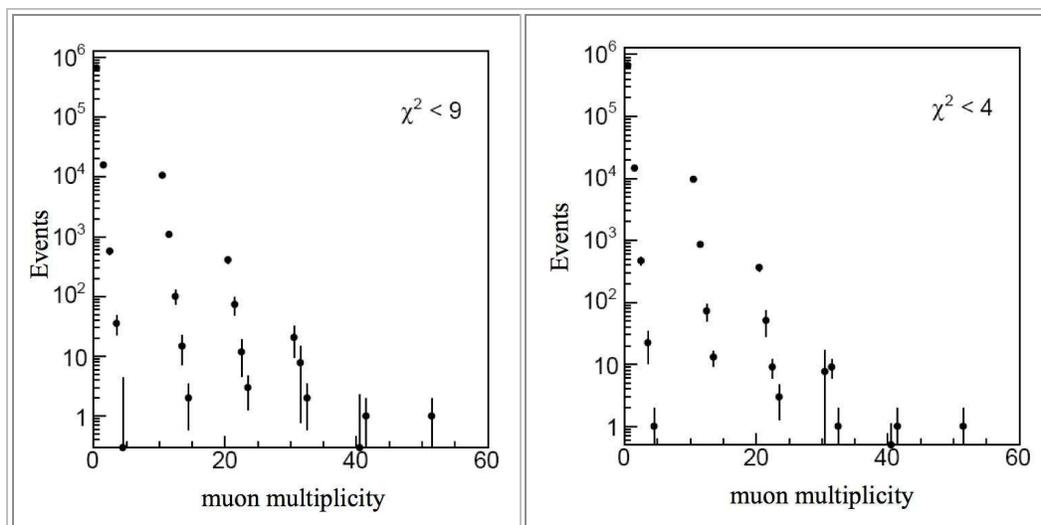
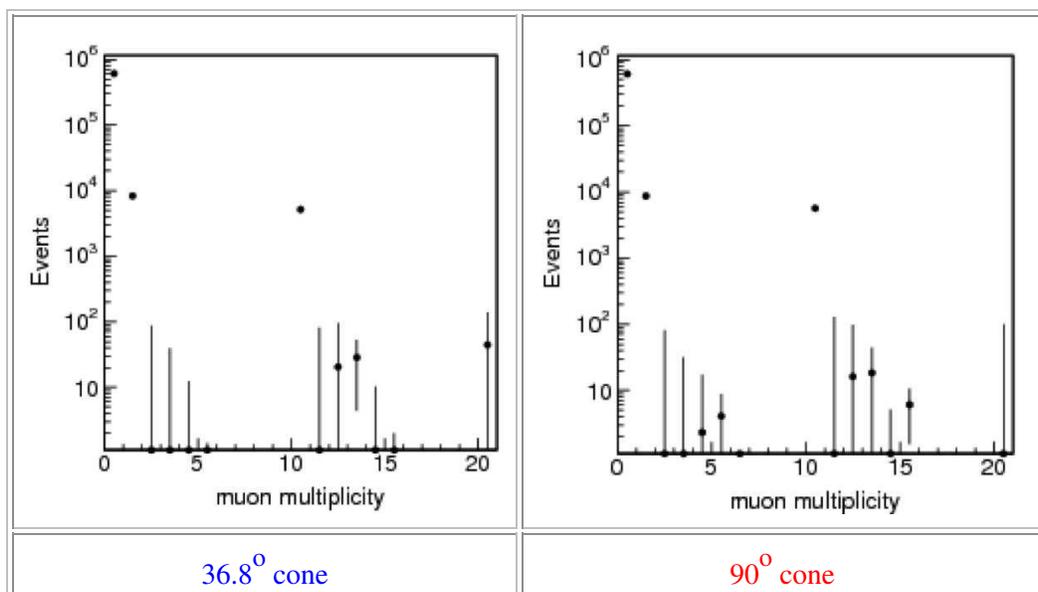


Plots related to the multiplicity of additional muons

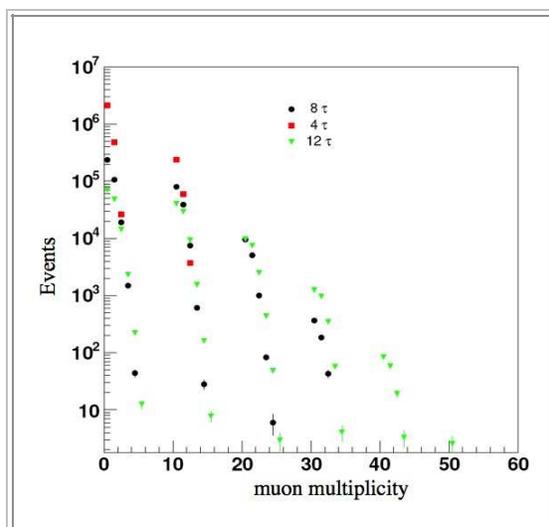
- Multiplicity distribution of additional muons found in 36.8° cones when the muon r - ϕ matching $\chi^2 < 9$ and $\chi^2 < 4$.
These distributions are not different than the standard one shown in Fig. 18 of the PRD draft.



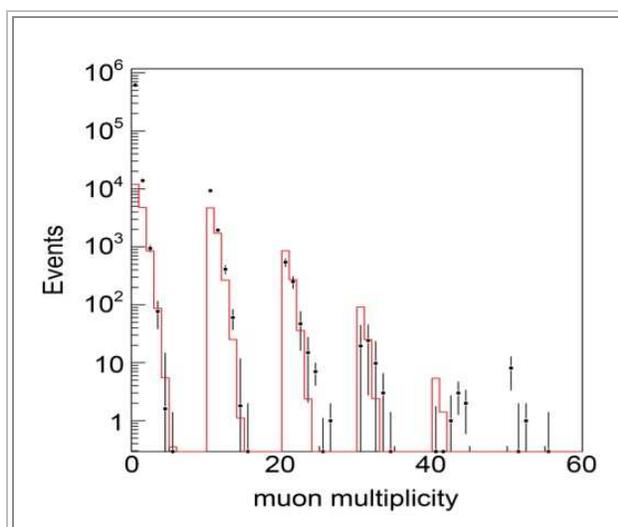
- Multiplicity distribution of additional muons found in 36.8° cones and 90° cone around the primary muon direction



- Muon multiplicity predicted by a toy-simulation of a decay into 4, 8 and 12 τ leptons.



4. Muon multiplicity predicted by a toy-simulation of a decay into 8 τ leptons with randomly chosen electric charge.



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