Trigger in ATLFAST

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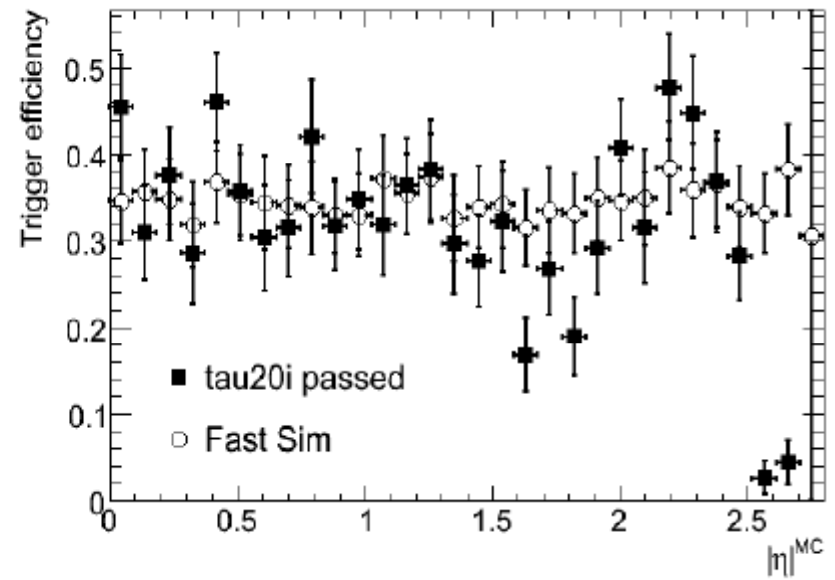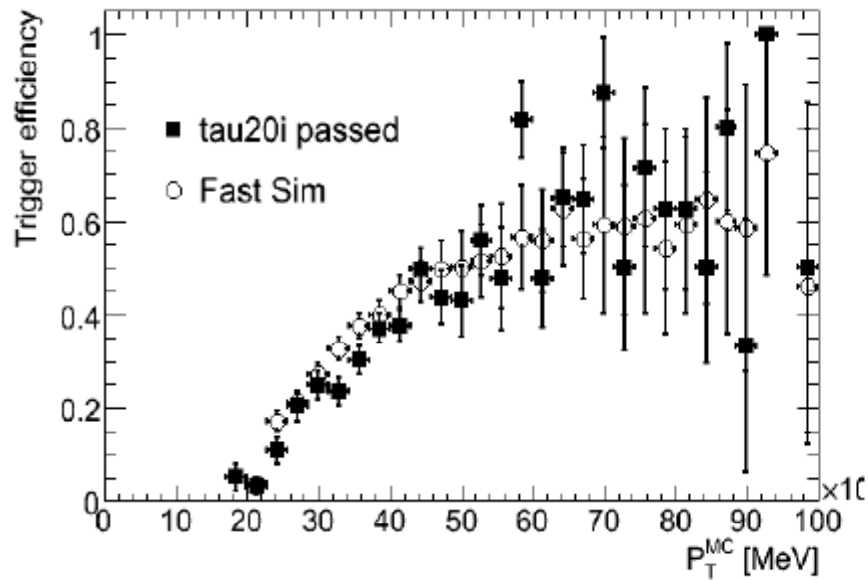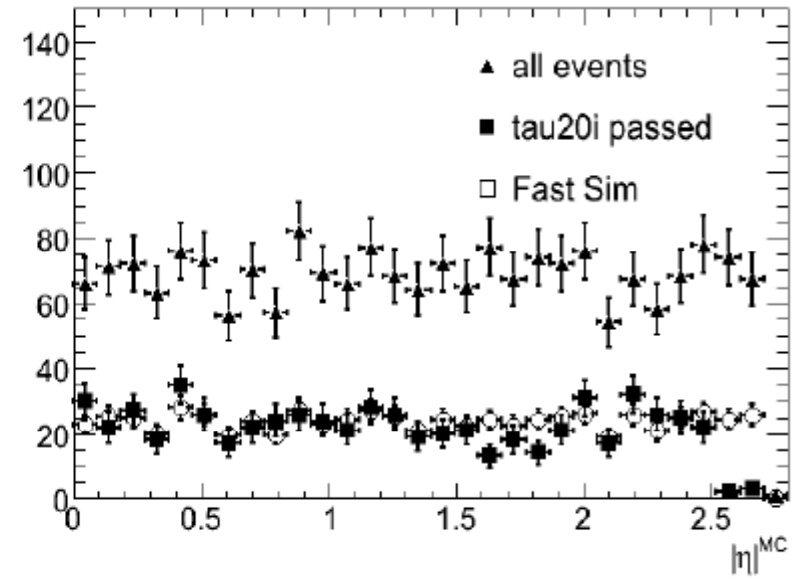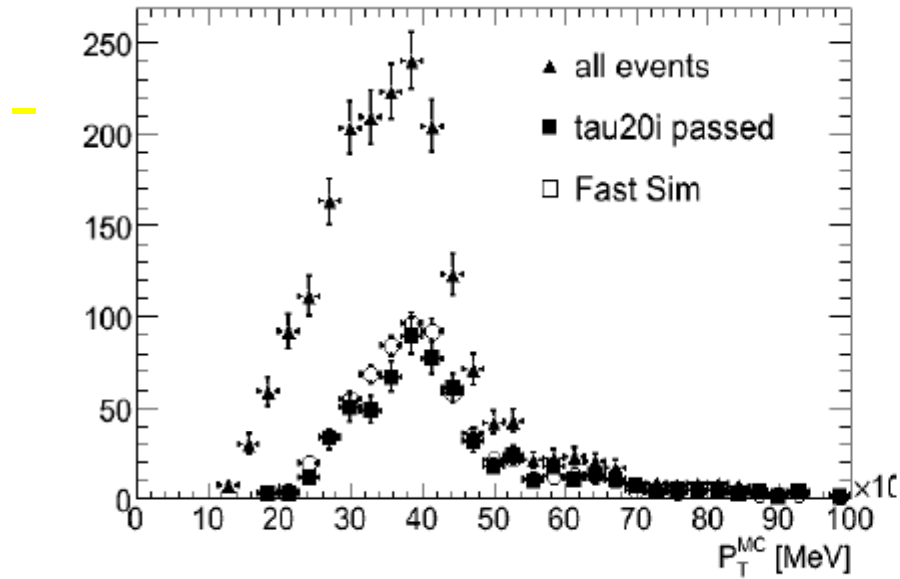
ATLFAST meeting (2nd July 2008)

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TrigFastSim

- Tool being developed by Ricardo Goncalo.

- Given eta and pt parameterization of the trigger efficiency, assigns a probability to each event for passing or not the considered trigger.

- For the moment, have considered tau example (tau20i medium). Will extend in the future for more tau items and other slices.

- In the following plots show distributions and efficiencies as a function of MC true quantities.
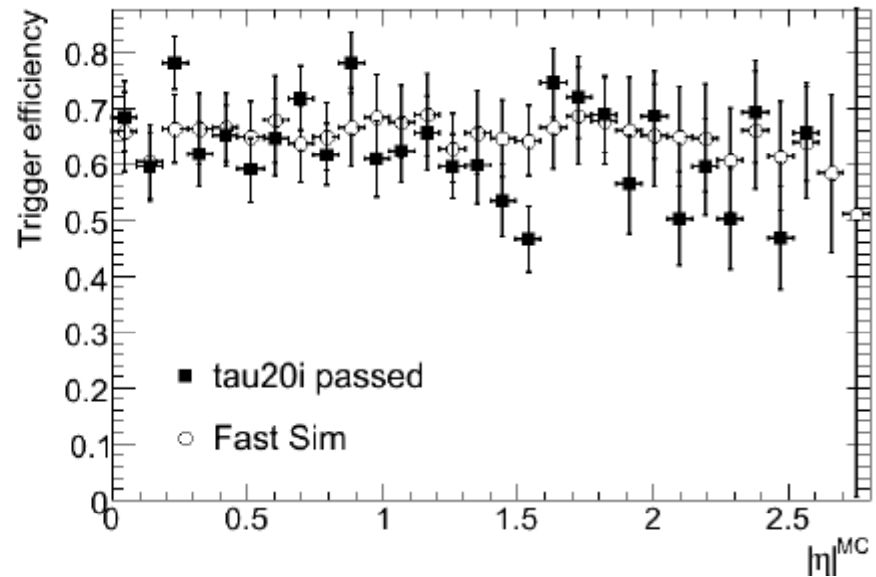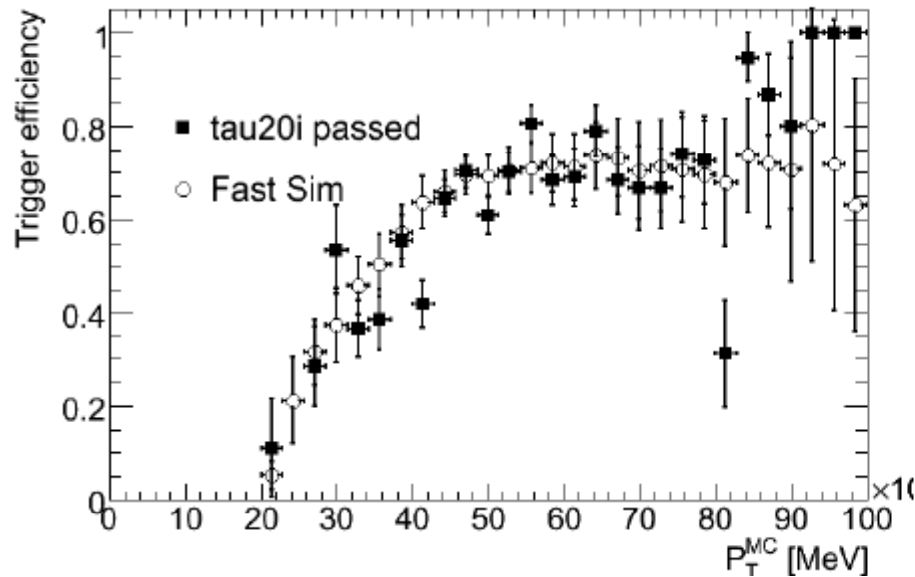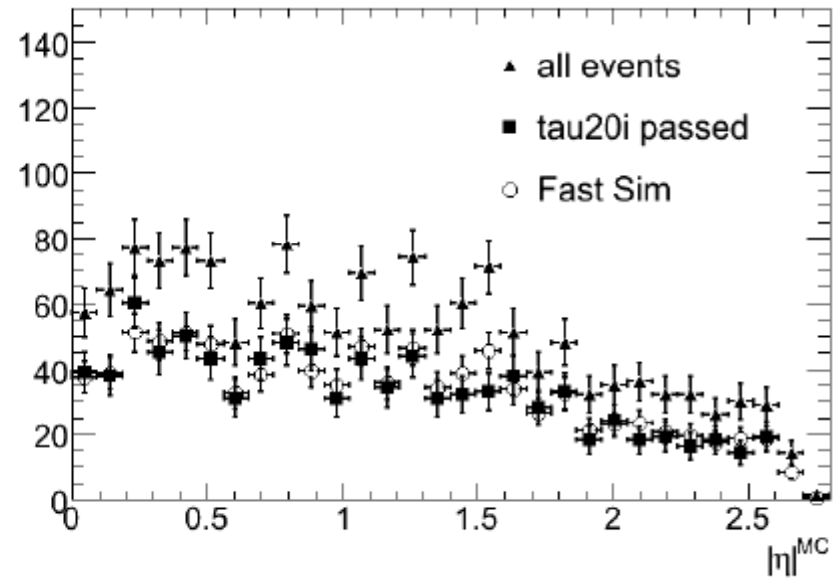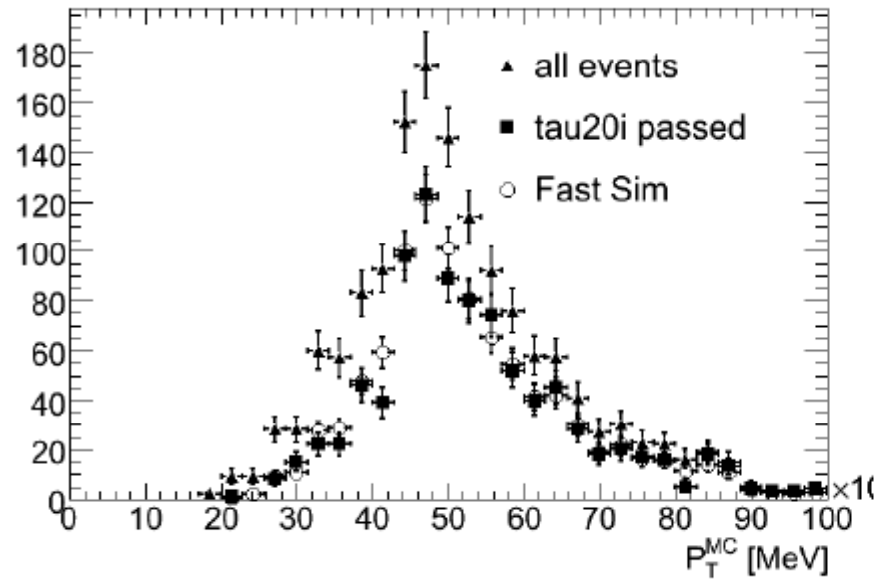
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Z-> τ τ sample   2000 events

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Conclusions and Outlook

- FastSimTool is given very promosing results for the trigger and samples used.

- In the future, continue improving the tool: selection of leading MC true particle, jet rejection,…

- Do comparisons for other tau triggers.

- Include more trigger slices.

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