



ILCSoft-2019-09-04 tracking validation

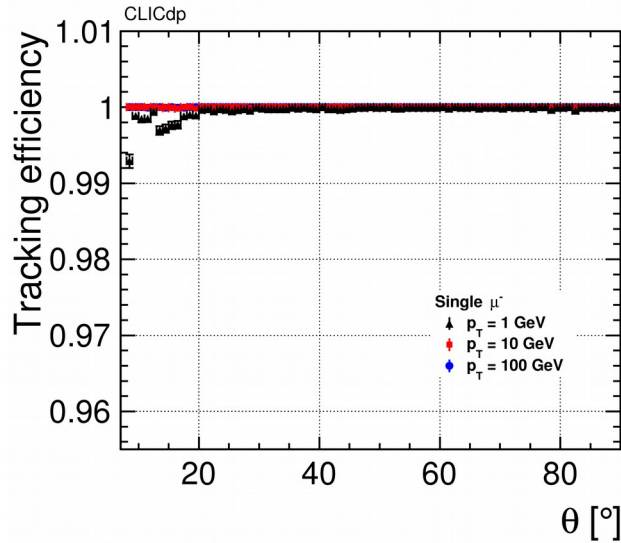
Erica Brondolin

CLICdp New-Software Project-Meeting
17th September 2019

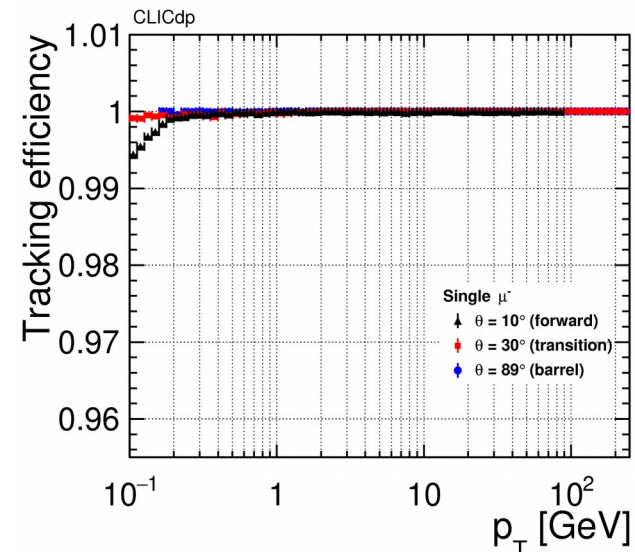
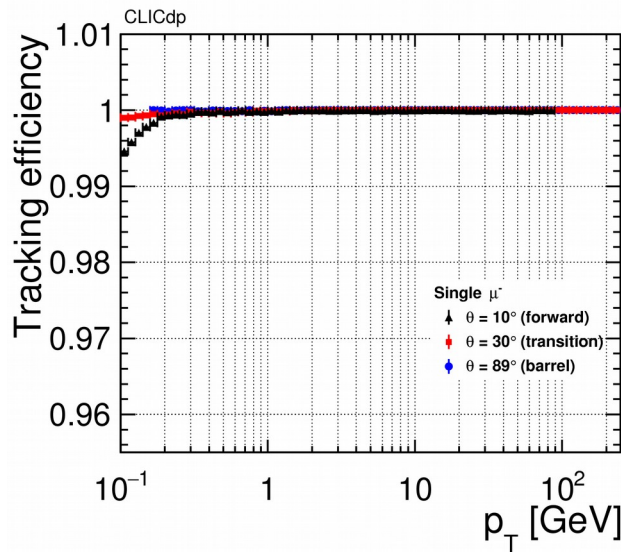
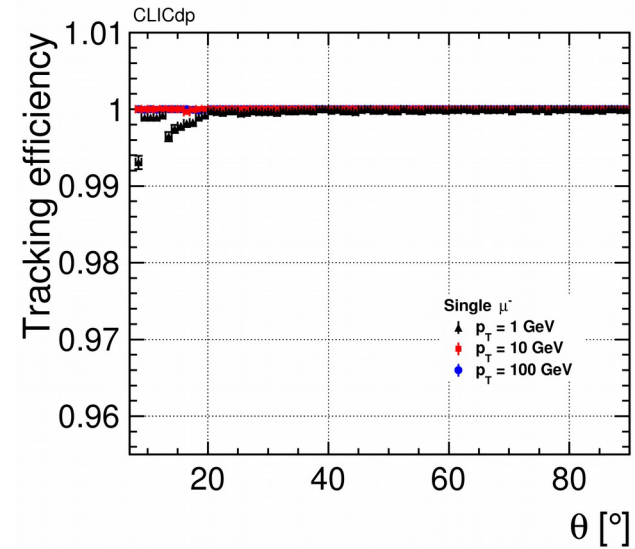
- Full list of changes in <https://gitlab.cern.ch/CLICdp/SoftwareConfigurations/iLCSoft/-/releases>
- Comparison with 2019_07_09
 - Z-cut to reduce timing (#53 in ConformalTracking)
 - Change sum of chi2 from square-root of the squared sum to linear sum (#53 in ConformalTracking)
 - fix RefitProcessor (#43 in MarlinTrkProcessors)
 - ClicEfficiencyCalculator: fixed m_vec_is_reconstructed branch for not reconstructed tracks in trackTree (#117 in CLICPerformance)

- Single particles : muons

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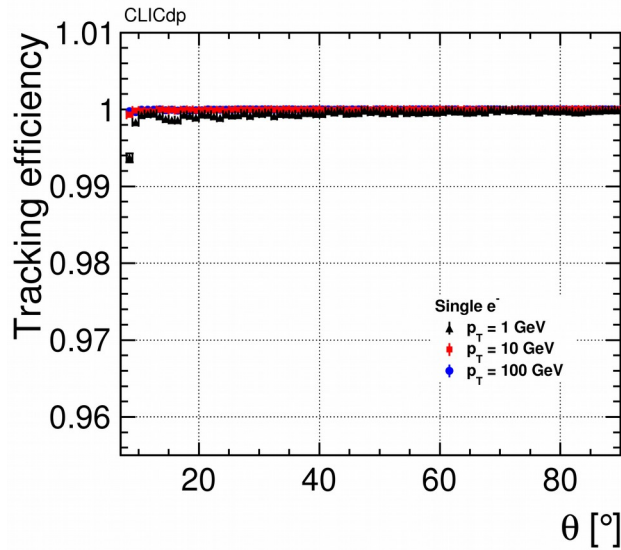


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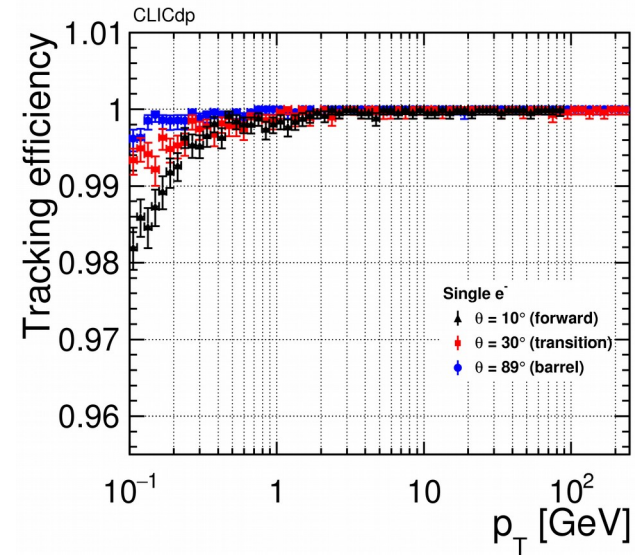
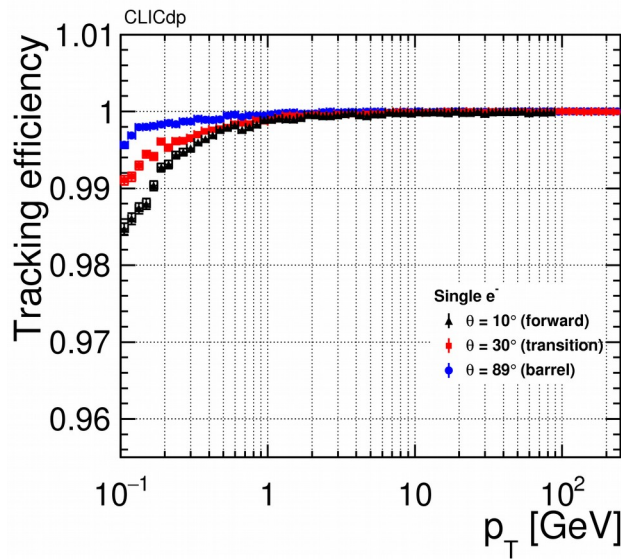
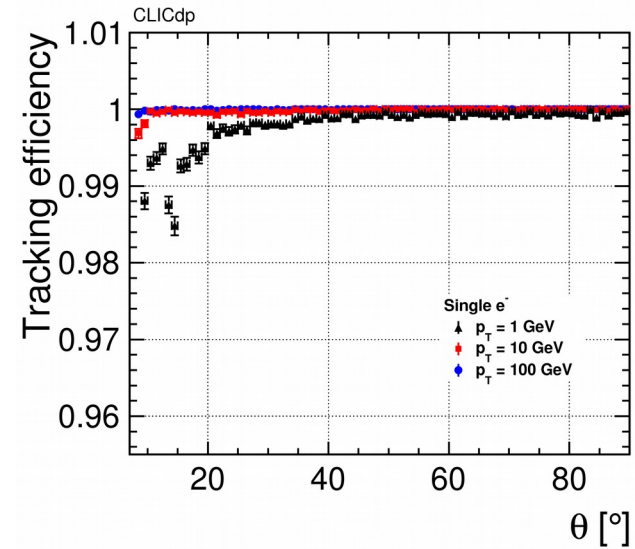


- Single particles : electrons

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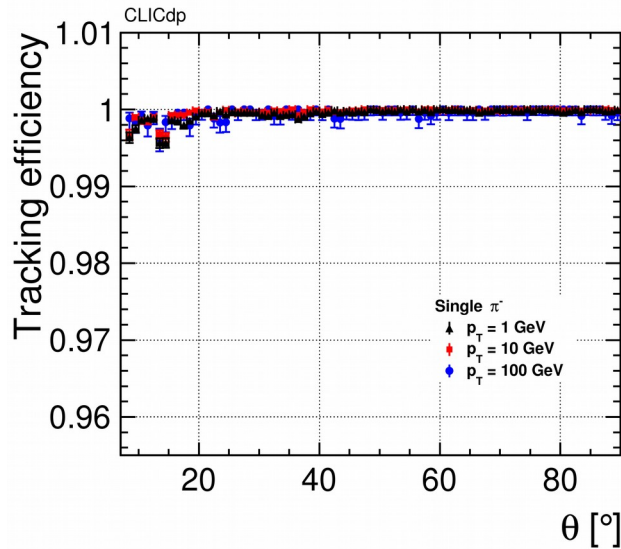


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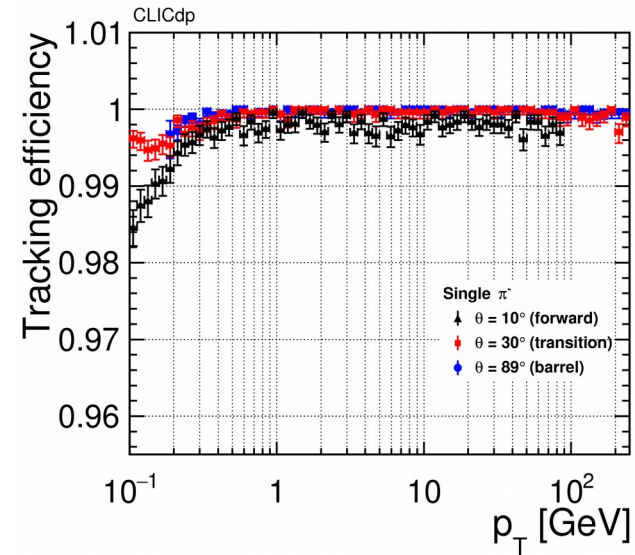
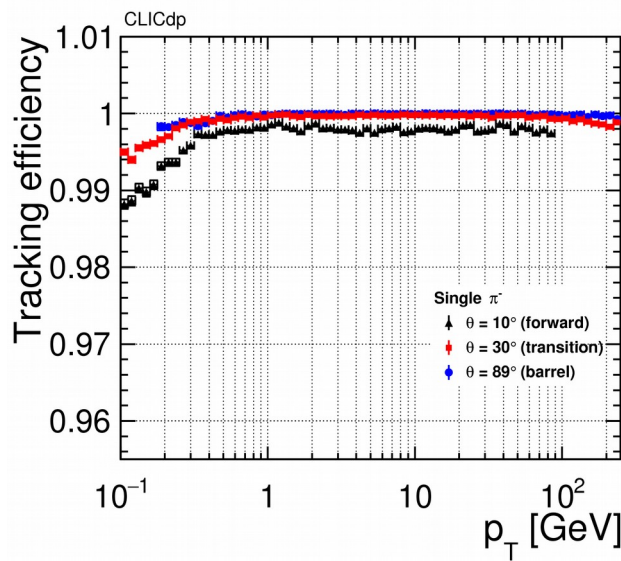
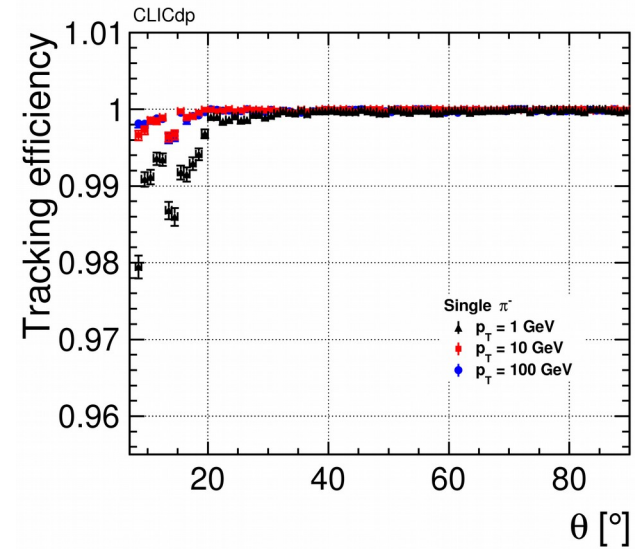


- Single particles : pions

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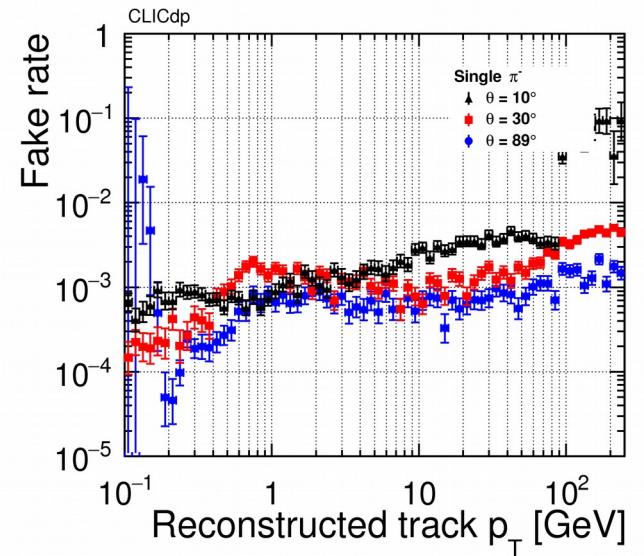
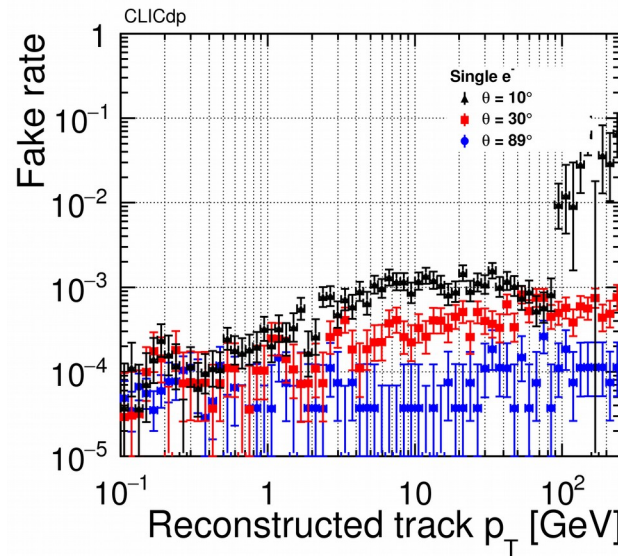
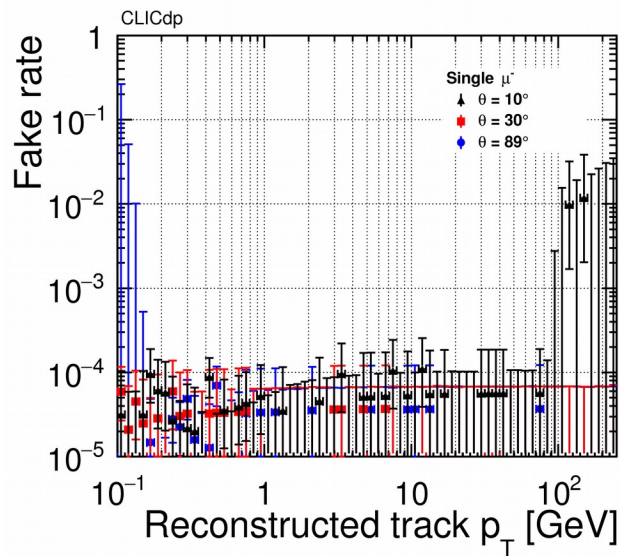
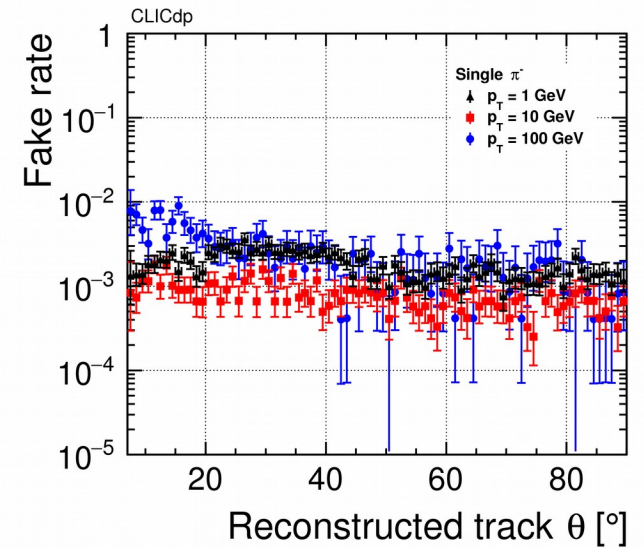
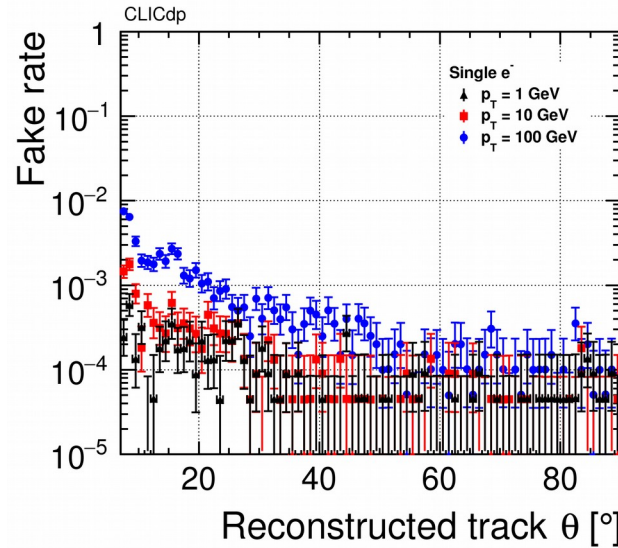
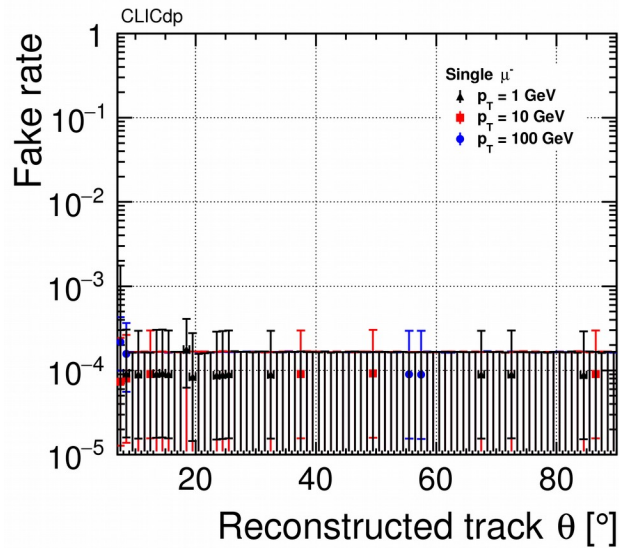
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muons

electrons

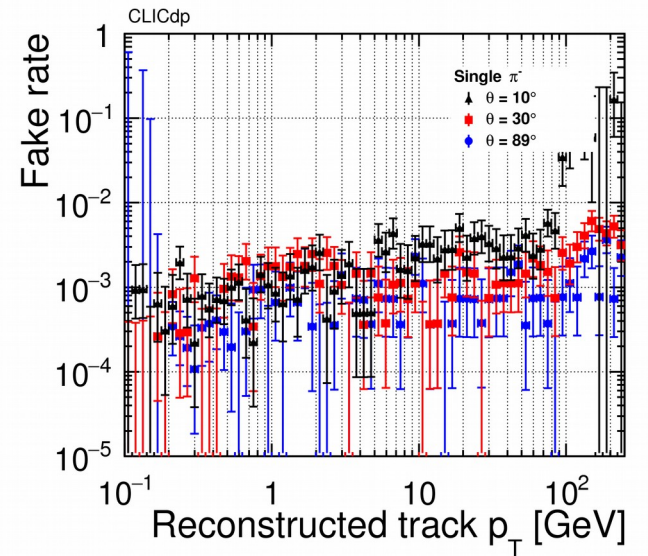
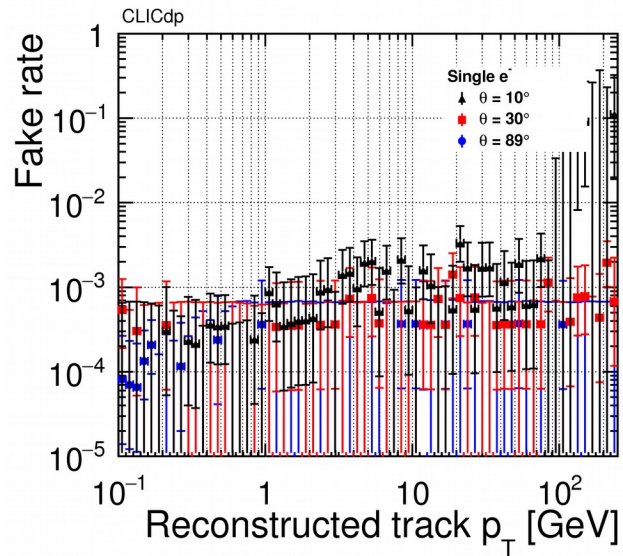
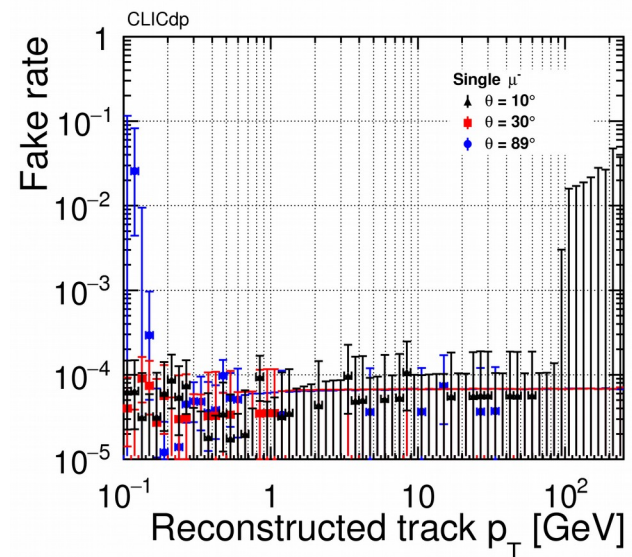
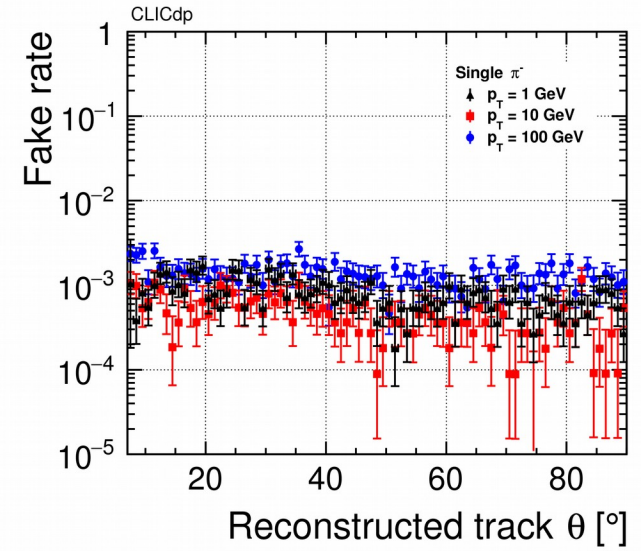
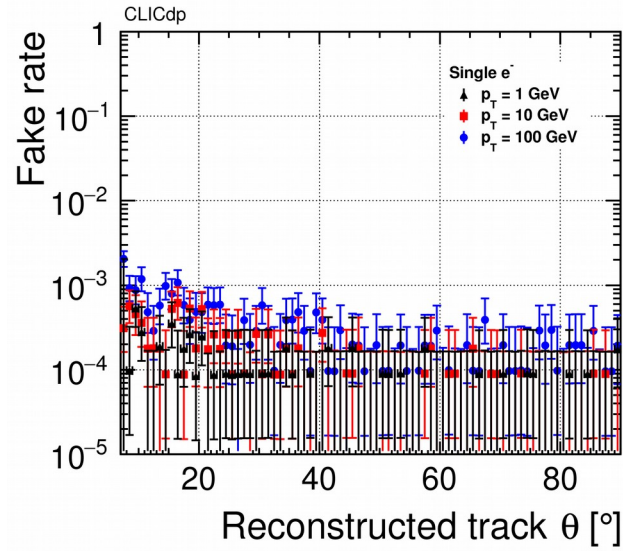
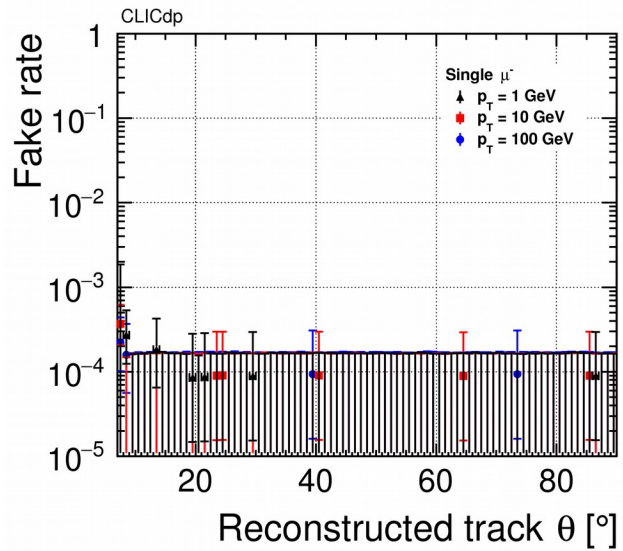
pions



muons

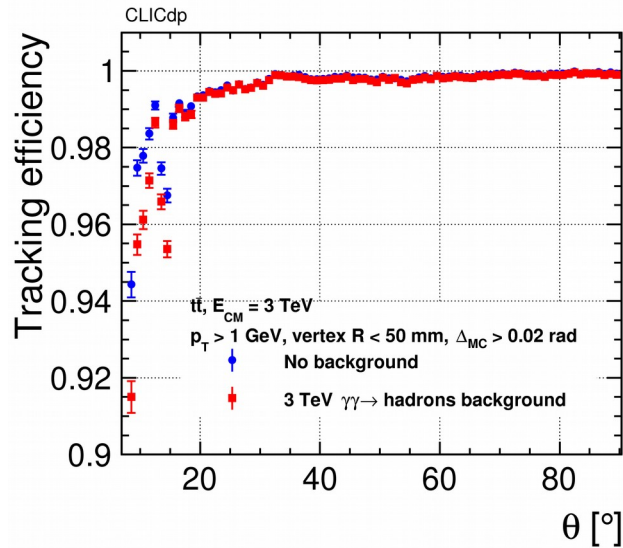
electrons

pions

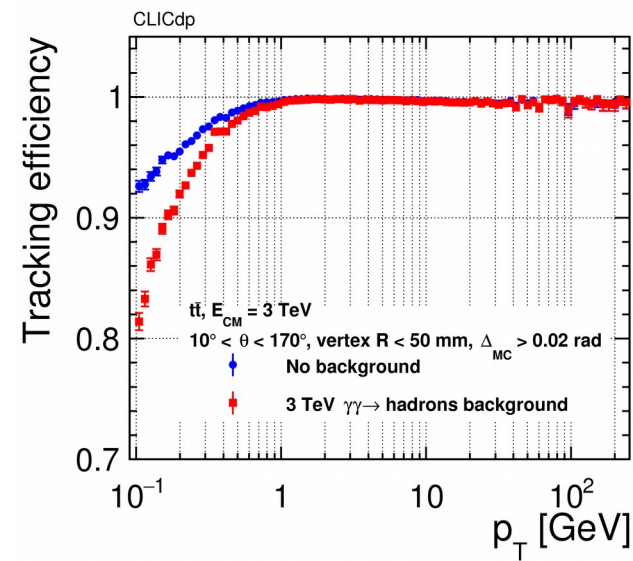
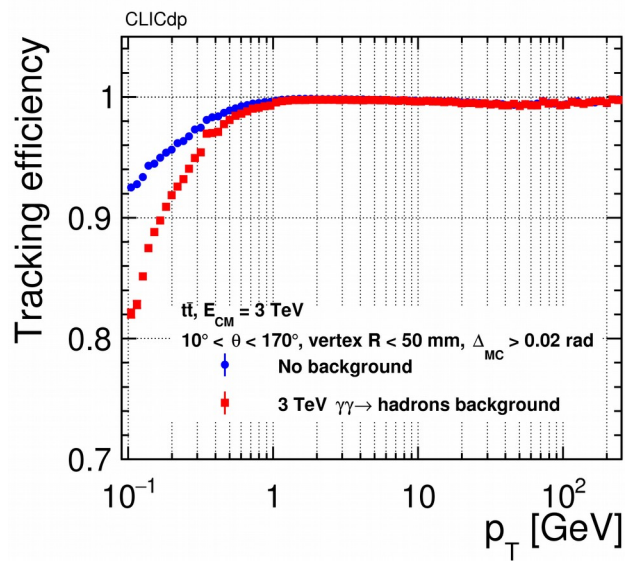
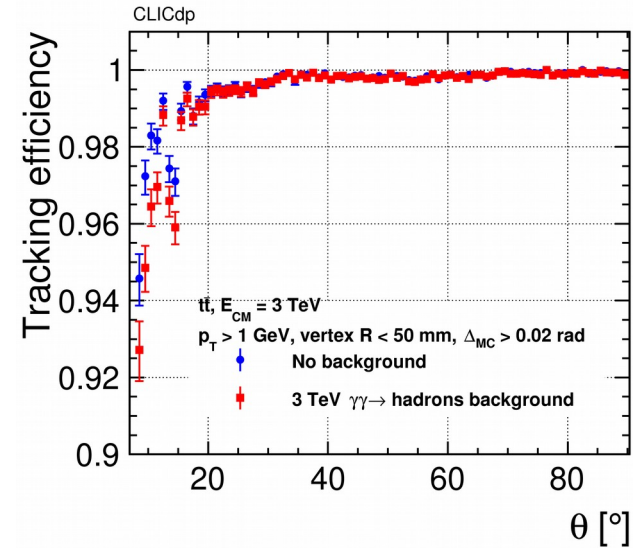


- Complex events: $t\bar{t}$, $n\text{Hits} \geq 4$

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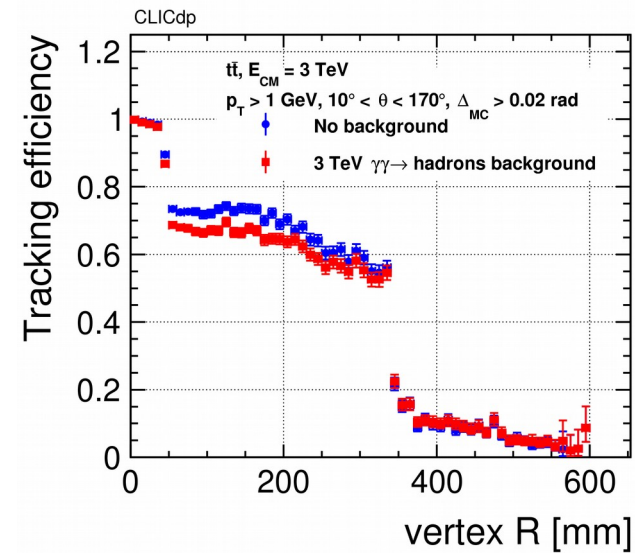
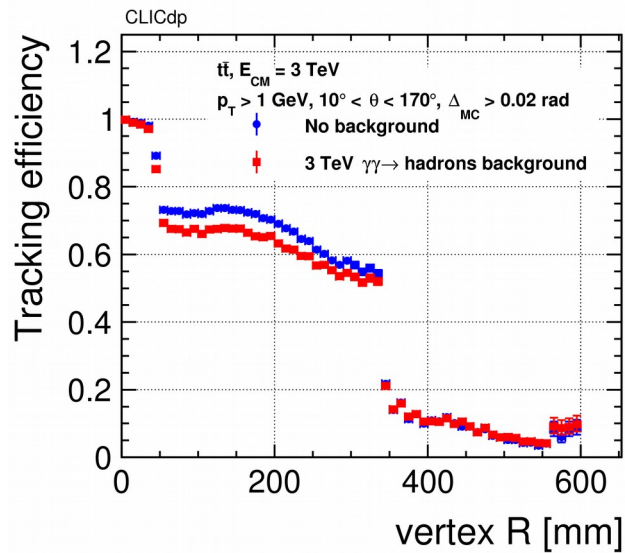
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- **Complex events: $t\bar{t}$, $n_{\text{Hits}} \geq 4$**

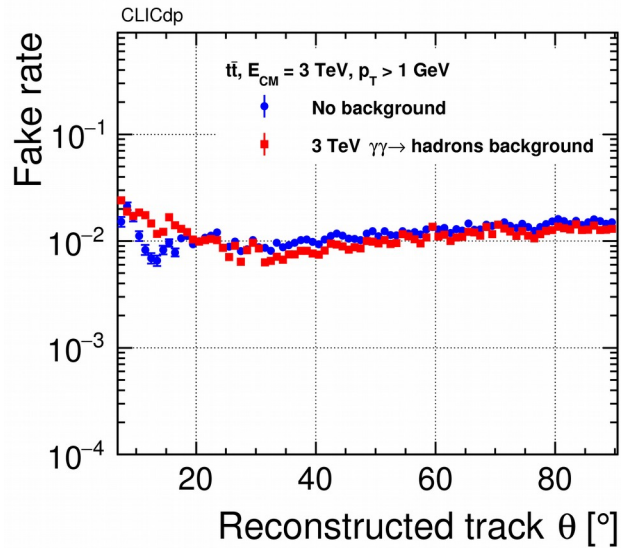
ILCSOft 2019_07_09

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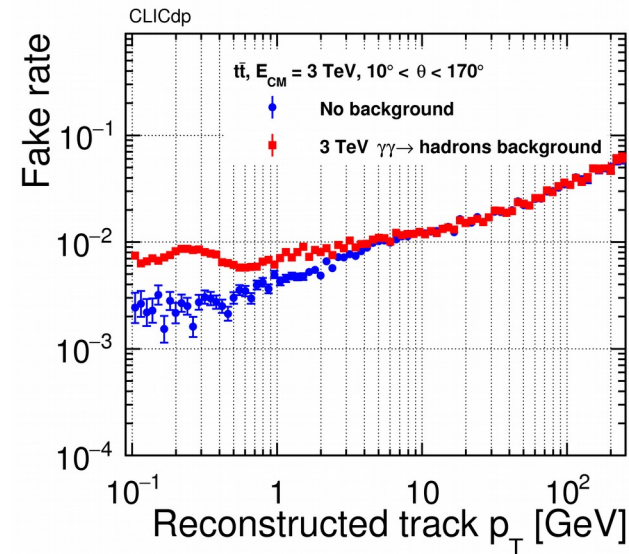
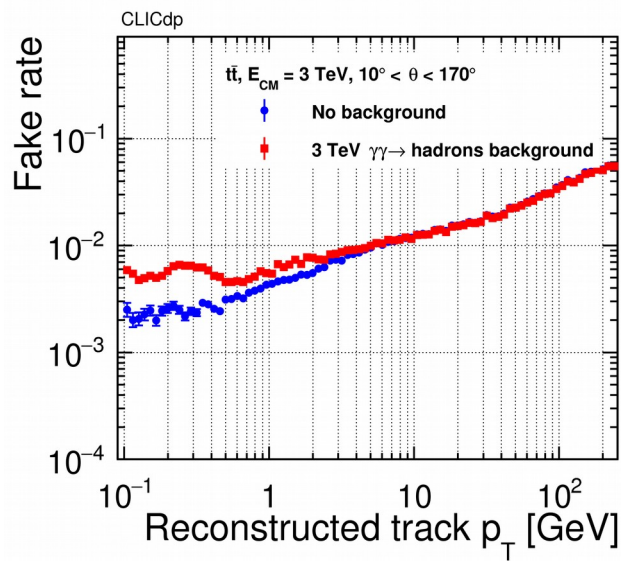
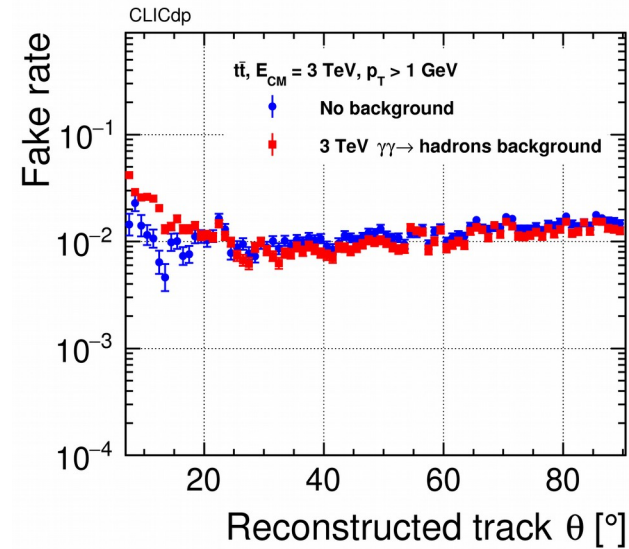


- Complex events: $t\bar{t}$, $n\text{Hits} \geq 4$

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Thank you for the attention!