

Update on the Technical Paper

James Pinfeld¹, Ameir Shaa¹

¹Department of Physics
University of Alberta

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- 2 Monopole Plots
- 3 HECO Plots
- 4 Questions, Comments, Suggestions

Progress so far

- The simulations for the technical paper are done - both HECOs and monopoles
- PGUN simulations ; 1 million events ; Geometry includes HCC
- The analysis for the technical paper is done (with one caveat)
- Currently we have strong and soft etching conditions for CR39. For Makrofol the right condition has been found. Laura, Zouleikha, and Bologna group are working hard to find the right etching condition for CR39.
- Paper will proceed with strong and soft etching conditions for CR39 unless the right etching condition is discovered in time (as discussed in a previous meeting)
- Many thanks to all who contributed. Daniel, Matti, Arka, Aditya for help with simulations on Condor and LXPLUS ; Laura, Zouleikha, Bologna group for etching conditions and parameterization wrt NTD acceptance ; Patrick Li for plots ; et al.

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Monopole Plots

- The next slides show monopole plots of fiducial efficiency
- Monopole mass = 1000 GeV ; Charge = 1 gD

Monopole Plots

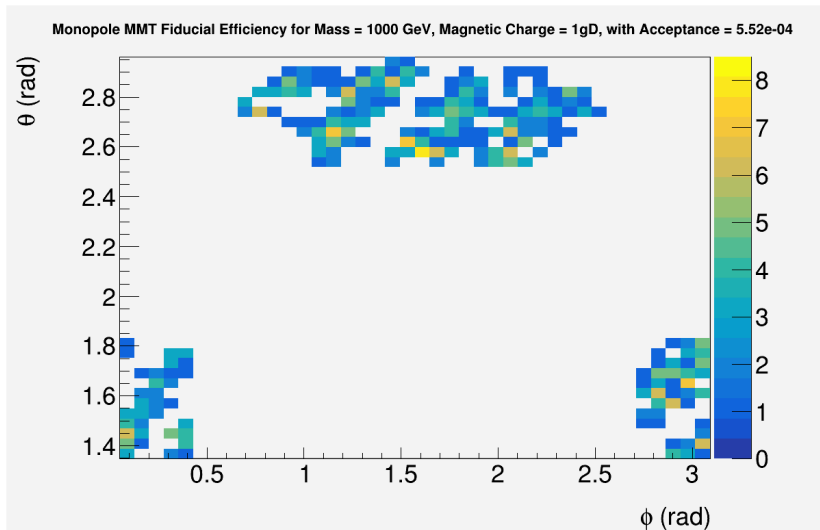


Figure: Monopole Plots - MMT

Monopole Plots

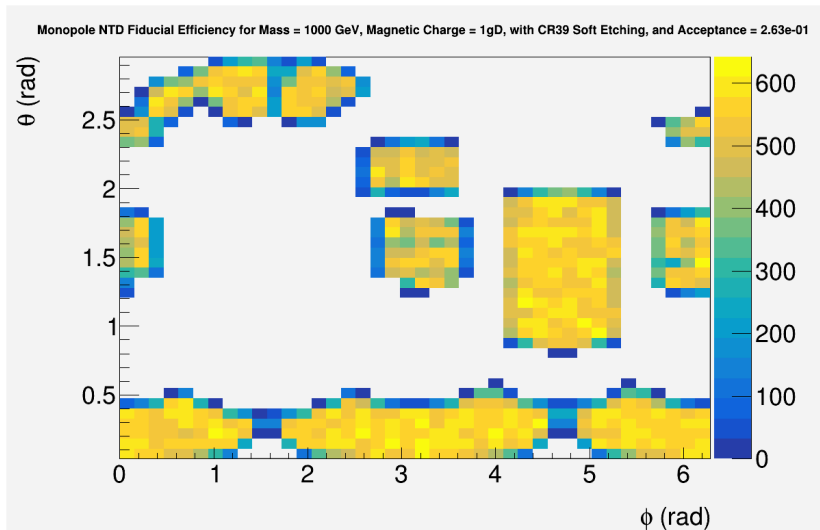


Figure: Monopole Plots - CR39 Soft Etching

Monopole Plots

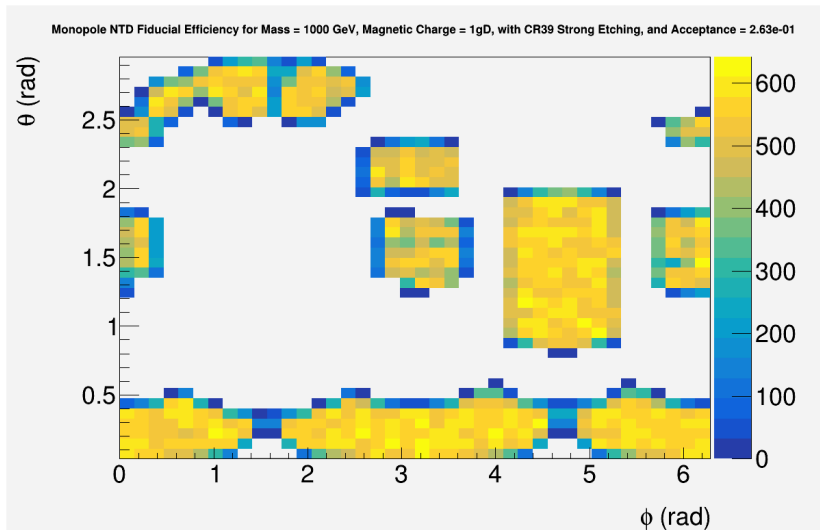


Figure: Monopole Plots - CR39 Strong Etching

Monopole Plots

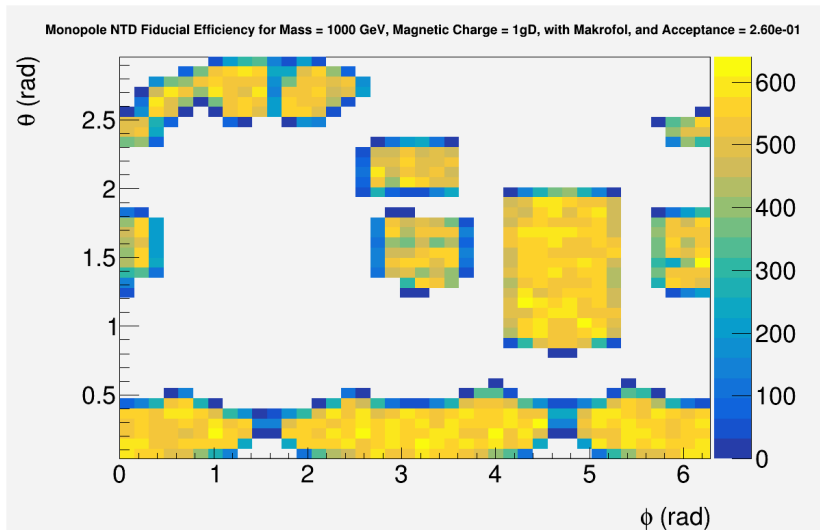


Figure: Monopole Plots - Makrofol

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HECO Plots

- The next slides show HECO plots of fiducial efficiency
- HECO mass = 1000 GeV ; Charge = 50e

HECO Plots

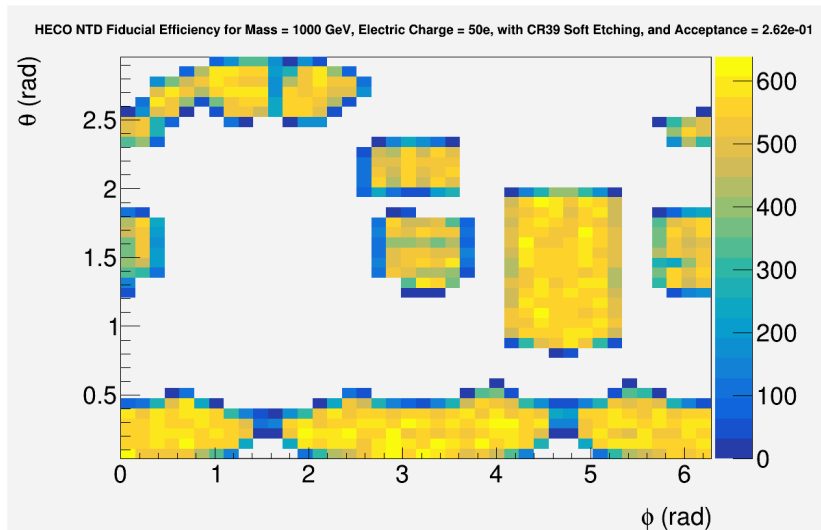


Figure: HECO Plots - CR39 Soft Etching

HECO Plots

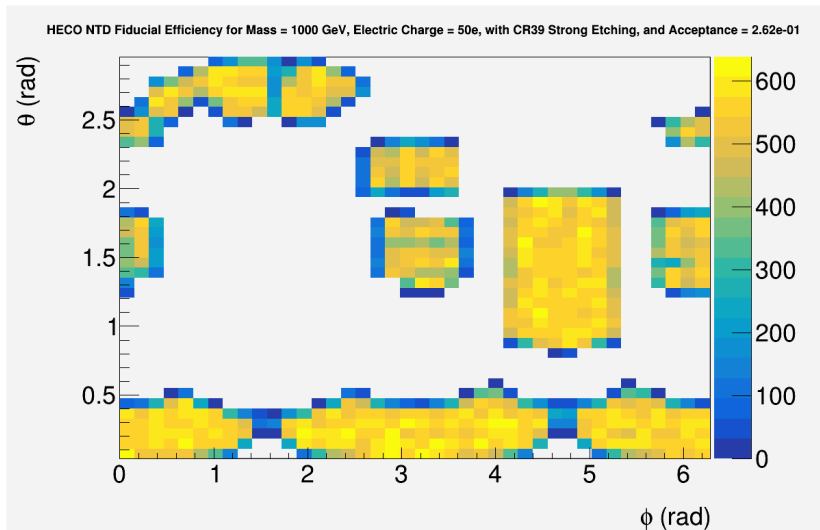


Figure: HECO Plots - CR39 Strong Etching

HECO Plots

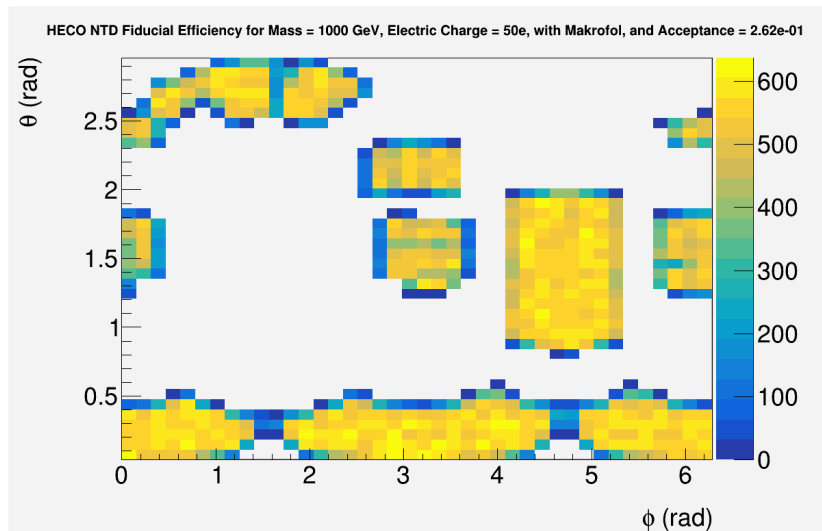


Figure: HECO Plots - Makrofol

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