

Measuring the prompt component of the atmospheric muon flux

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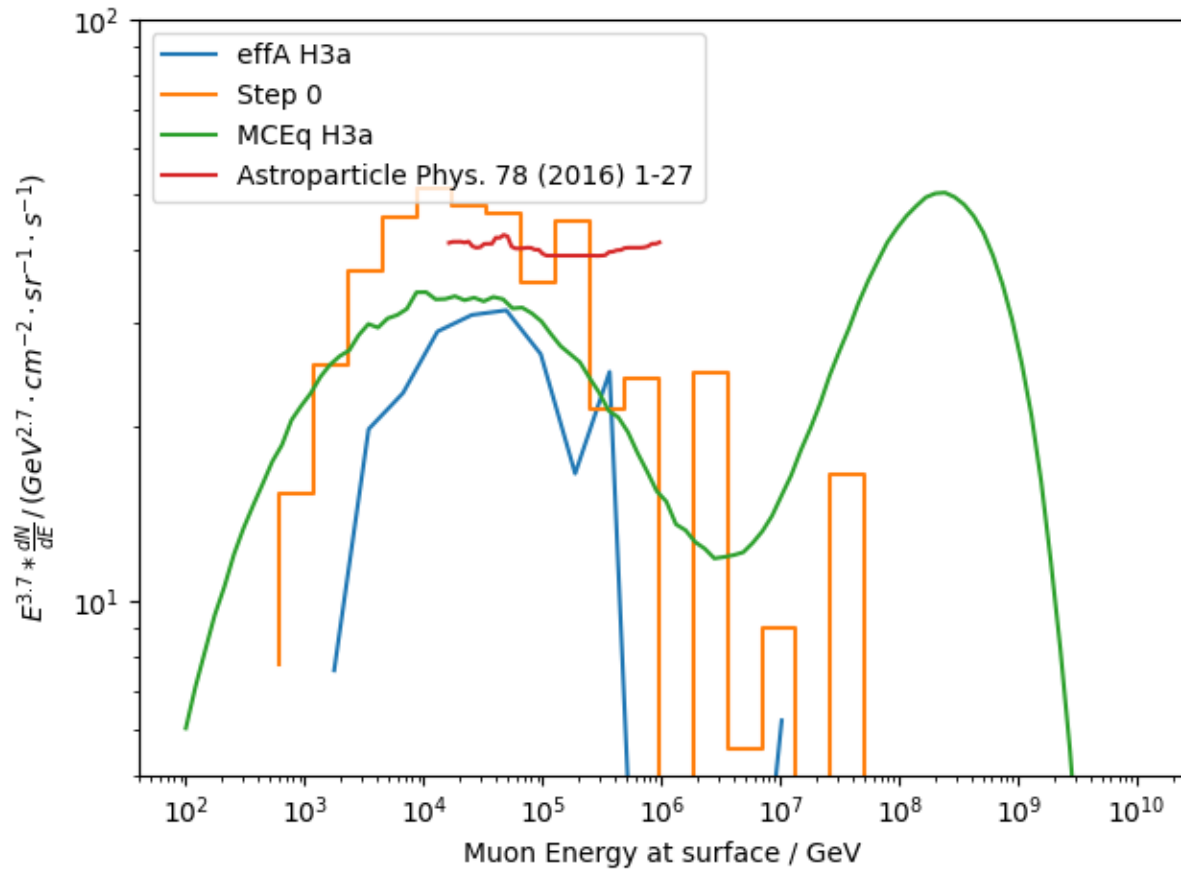
July 5, 2024

Muons

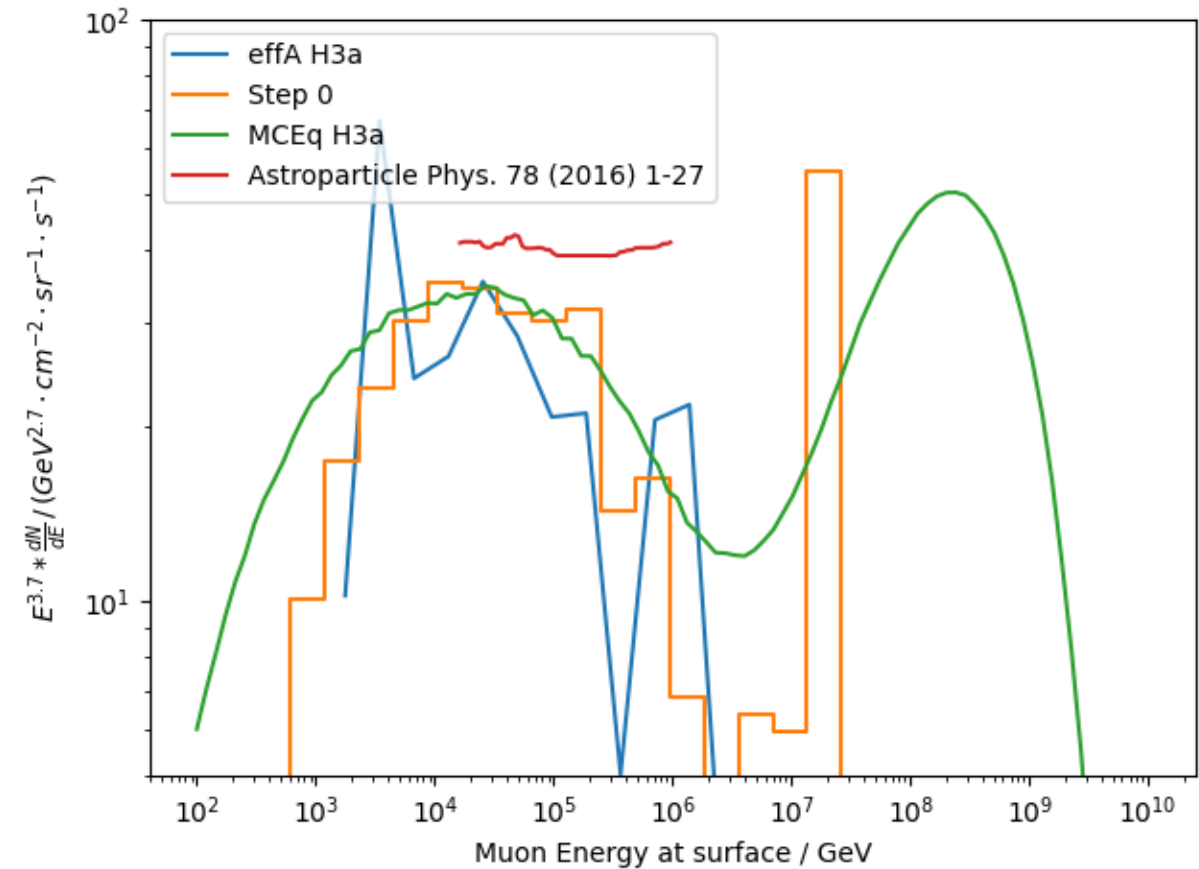
Source: NASA

Muon flux at surface

new dataset

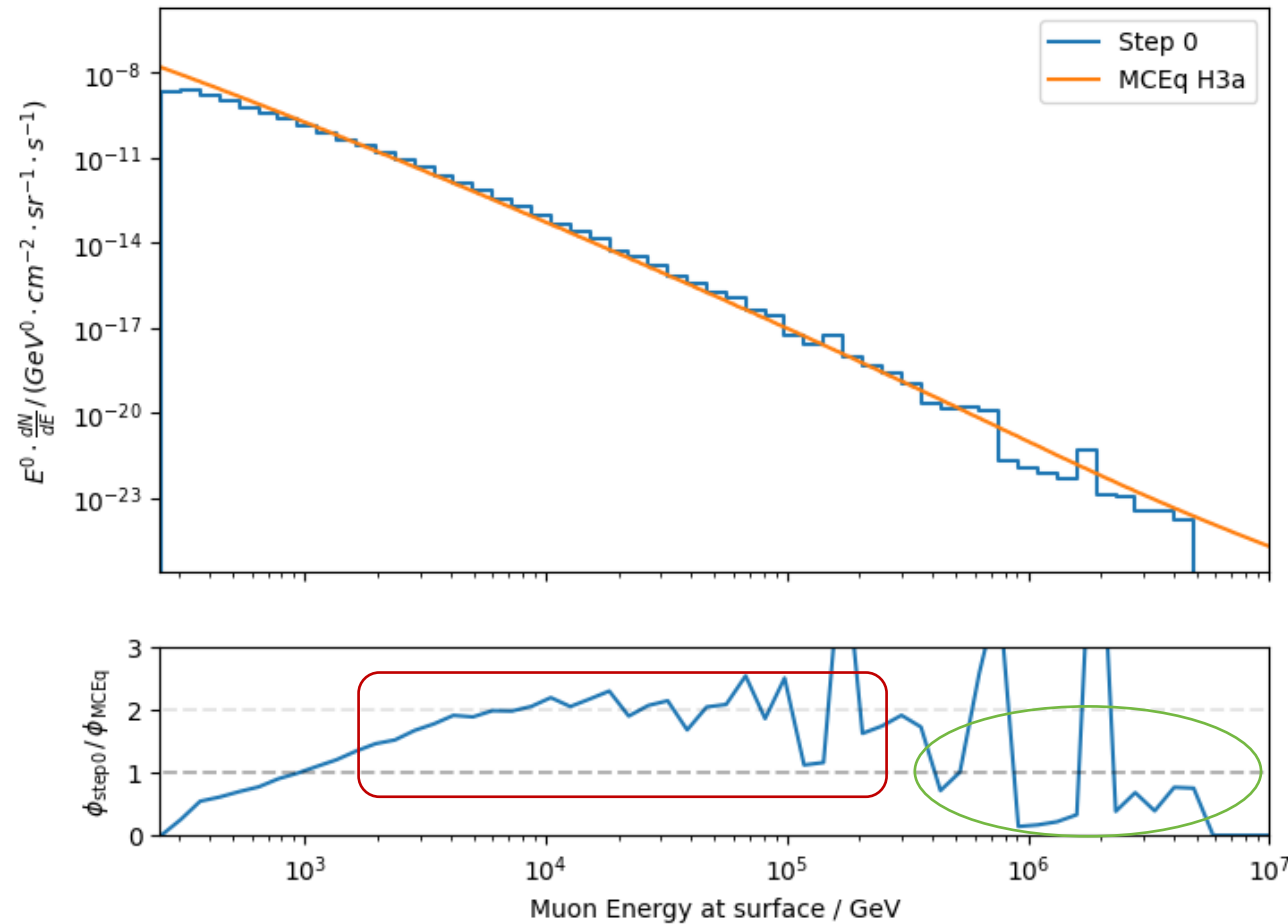


old dataset

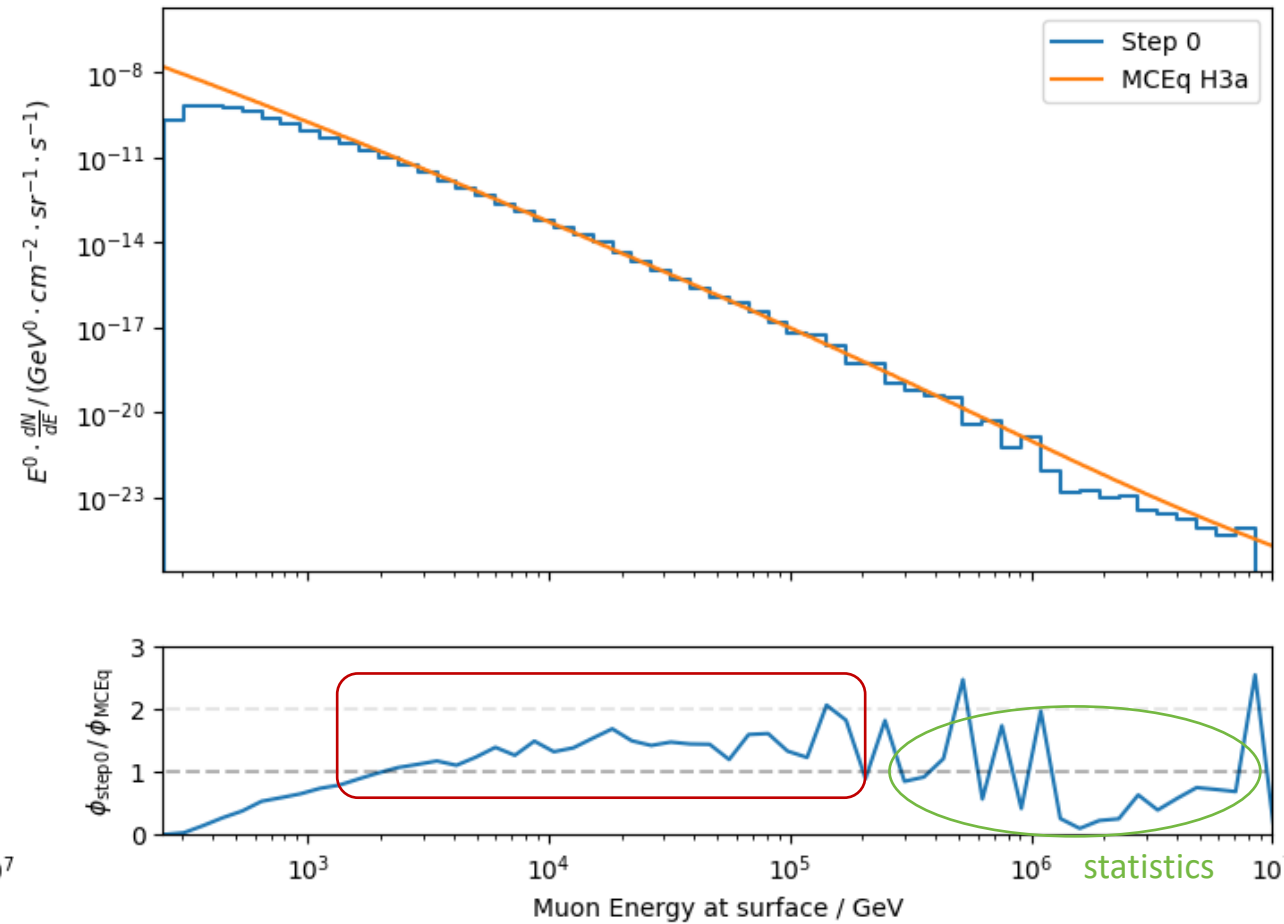


Muon flux at surface – ratio

new dataset



old dataset



missing statistics from high energies as well?
 -> process all much more/all statistics

Misc

- First draft of muon paper sent to Wolfgang
- Technical review -> scripts do not work as documented -> they fix it for the second time
- New master's student needed a lot of supervision
- Still waiting for Dennis' review -> we are in contact, he has too many things to do...