Cosmic rays modulation in heliosphere models on GPU

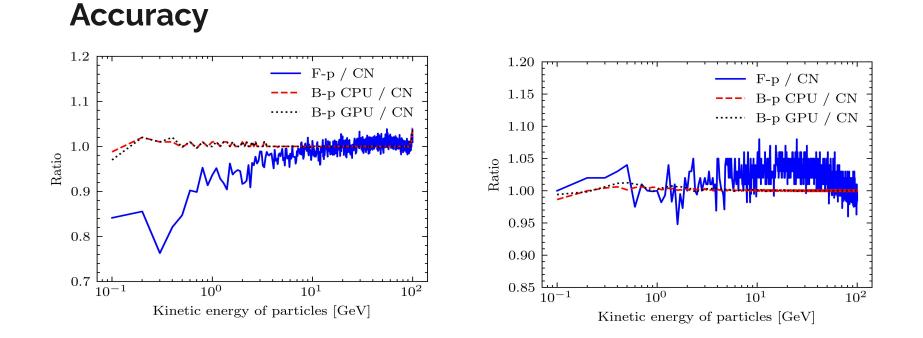
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Introduction

- Simulations of cosmic rays modulation in heliosphere is demanding on resources
- GPU advantage of parallel architecture

Acceleration

- F-p model was accelerated 8-times against reference CPU system
- B-p model was accelerated 86x to 183x based on input parameters for simulation



Thank you for attention