# Running GEANT4 Functions on a GPU Discussion of Results

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# Brief Project Overview

Brief Project Overview Explanation of Terms Scope Purpose

#### Stakeholders

#### What is GEANT4

## What is GP-GPU

## Scope

Brief Project Overview Explanation of Terms Scope Purpose

# Purpose

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## Why G4ParticleHPVector

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## Two Implementations

Completely on GPU Intensive Functions on GPU Performance Accuracy Testing

# Completely on GPU

Completely on GPU Intensive Functions on GPU Performance Accuracy Testing

#### Intensive Functions on GPU

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#### Performance Results

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#### Performance Discussion

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## Accuracy

Completely on GPU Intensive Functions on GPU Performance Accuracy Testing

# Testing

# Summary of Results

## Recommendations