

# An MCNet Introduction

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# Overview

- ▶ Hi!
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- ▶ My Masters Project
- ▶

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- ▶ HEJ

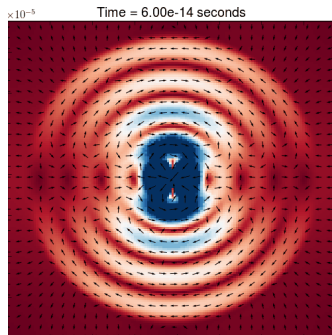
# Hi!

- ▶ Durham University Physics Graduate.
- ▶ Summer Project in Edinburgh (PPT) with Jenni Smillie.
- ▶ Durham PhD Student (IPPP) with Jeppe Andersen.

## Previous Work

Since I haven't been working on HEJ for long... here is an animation from my masters project!  
(Contingency Plan 1)

## Contingency Plan 2



Finite Difference Time Domain Method of propagating electromagnetic fields. The result shown is for an artificial Hertzian Dipole

## Future Work: HEJ

- ▶ HEJ provides all-order perturbative predictions in the MRK Limit.
- ▶ Outside limit, events reweighted to LO.
- ▶ This leads to a large scale variation.



THANKS FOR LISTENING!