

# simc thoughts...

## our beloved simulation...

- has been around for 30+ years (longer if taking into account its SLAC roots)
- served our community (very) well. started as strictly  $e + p \rightarrow e' + p...$
- now can do  $(\pi^\pm, K^+, \rho...)$  ...in two\* halls (and several configurations thereof)

## however, during this time...

- code has accumulated a lot of **mileage**
- has become harder (and harder...) to **update/maintain/compile** (f77!)
- now can do  $(\pi^\pm, K^+, \rho...)$  ...in two\* halls (and several configurations thereof)

## idea (or something like one!):

- re-make **simc** in python.
- not a straight-up translation. more along the lines of a major upgrade:
  - keep as much backward **compatibility** as possible
  - maintain execution **speed**\*
  - **documentation** (*sic!*)
  - refactor code w/ an eye for: **understanding, maintainability, upgrades.**

