

Quickly Produce SIDIS Transverse Momenta with BigkT
June 20, 2018

1. Create a local directory for all the files. Open a terminal and cd to this director to clone the BigkT repository. Clone the repository. Then cd to the BigkT directory.

2. In the terminal type:

```
line1: ./setup.py  
line2: cd ../external && ./install  
line3: cd ../BigkT
```

Line 1 may take a few minutes.

3. Make sure that the Excel spreadsheet sample.xlsx is in the working directory.

4. Type

```
line4: ./calc.py -t 1 -c 2 -x sample.xlsx
```

5. The resulting transverse momentum distribution is now in the 17th column of sample.xlsx (column R).