

COMPUTING METHODS IN HEP**Exercise 3****Spring 2026**

(To be returned by 10:15 on Friday 6.2.)

- 1-2. **Write a C++ class** which contains a measurement of missing transverse energy (MET). Add member functions to return the value, the x and y components, and the MET phi (phi defined as the angle between the MET vector and the positive x-axis in the transverse plane). Hide the data. **Write a Makefile to compile the code into a shared library.** Write a test program to **test that the library works.**

Please push your results into your public git repository.