Physics 29 Fall 23
Week 5 -- Matplotlib

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Class Website (instead of Canvas):
http://hep.ucsb.edu/people/claudio/ph29-f23/
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• Full disclosure none of these plots were done with the MATPLOTLIB python package because in high energy physics we (mostly) use a different software package, and I grabbed these plots out of various papers/documents from my research group.
• But it does not matter. These are the basic plots I want you to learn how to make
• Today I will show examples of all of these using the python matplotlib package.
• Note: there are many options in this package. The examples that I will show you will use some small subset of the available options. If you want your plots to look different, google around for examples, or for the documentation of the various functions.
• Very important. You can (and should) use today’s examples as “templates” for the homeworks and hopefully also for future use in your work with data
To understand the matplotlib language it is useful to keep in mind this “dictionary” of matplotlib-speak.