Z path instruction preparations

Requirements:

- computer operation system: Windows XP (or higher), Mac OS, Linux
- memory: 1 GB
- free disk space: 100 MB minimum
- screen: 12” (the more the better)
- installed **Java** (even a few years old version should work) - update necessary only if the test of HYPATIA (described below) fails

JAVA instalation:

- go to **https://www.java.com/en/** (Polish version: **https://www.java.com/pl/**)
- click on the red button “**Java Download**” (Polish version: “**Bezpłatne pobieranie oprogramowania Java**”)
- select appropriate Java version for your operating system and follow the instructions
- in Debian based Linux distributions (Ubuntu etc.) it is sufficient to execute:

```
sudo apt install default-jre
sudo apt install openjdk-11-jre-headless
sudo apt install openjdk-8-jre-headless
```

Dowloading and testing HYPATIA:

- go to http://hypatia.phys.uoa.gr/Downloads/HYPATIA/Hypatia_7.4_Masterclass.zip (alternatively: https://ppss.ifj.edu.pl/materials_2020/MasterClass/Hypatia_7.4_Masterclass.zip) and save the file in a new **ATLAS** directory (on Desktop or in other convenient place)
- unpack the zip archive (directory **Hypatia_7.4_Masterclass** is created)
- go to **Hypatia_7.4_Masterclass** and click at **Hypatia_7.4_Masterclass.jar** (Windows) or start **Hypatia_7.4_Masterclass.sh** script (in Linux)
- after a while four windows of **HYPATIA** program, should appear - this means that the software is working

Downloading the data:

- unique data for each student is identified by a data number and letter (like 11A) - which was mailed to each of you
- go to https://cernmasterclass.uio.no/datasets/allSets/ (alternatively: https://ppss.ifj.edu.pl/materials_2020/MasterClass/)
- the links dir11, dir12, ... point to data identified by the data number (11, 12, ...)
- follow appropriate link to see the list of data files named groupA.zip, groupB.zip, ...
- download appropriate data file (for 11A - the file groupA.zip from dir11) and store it in **ATLAS/Hypatia_7.4_Masterclass/events**

More to read:

You can go to **http://atlas.physicsmasterclasses.org/en/zpath.htm** and read the description of the exercise which you’ll do at the beginning of the PPSSP.