

Harbin Engineering University

College of Nuclear Science and Technology

FLUKA Seminar

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Course: Radiation and environmental protection

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After the successful installation of Ubuntu operative system, we need to continue setting up the environmental interfaces

- ▶ Open a new terminal window pressing *Ctrl+T* simultaneously and write down *sudo apt update*, press enter and introduce your password. If it does not finish successfully the insert the same command again in order to push the system to finish.
- ▶ Write down *sudo apt upgrade* to upgrade the last functionalities.
- ▶ Verify that your system has a version of gfortran, run on a terminal window *gfortran --version*. If it shows that you do not have version installed on your system, install it running *sudo apt install gfortran*.
- ▶ Open the file containing the FLUKA package (.deb file) pressing double click on it and install it.
- ▶ For installing "flair", go to the official website <http://flair.web.cern.ch/flair/download.html> and

follow meticulously the steps under the *UBUNTU systems* subtitle. Again if during the process the installation or downloading process does not complete successfully, push the system to do so, running the same command again.

- ▶ After the installation of "flair", you can open it either through the command window running *sudo flair* or pressing the icon "Show applications" and selecting the "flair" icon.
- ▶ When opening "flair" it is very probable that the program asks you to introduce the FLUKA directory installation package. On the "flair" interface press the sequence "Config>Fluka". The FLUKA directory is *"/usr/local/fluka"*, complete all the other empty spots selecting the respective file inside the folder "bin". In the "Program" spot, just write FLUKA.
- ▶ After pressing "Ok", the program will be ready for starting.