

# 1 Notes

Laboratory exercise and data analysis : Programming and statistics

Students unclear of what/how to do it? Student wants to be given the code directly...

Course home page: <http://www.fysik.lu.se/english/education/courses/basic-level/fysc01-course-package/nuclear-physics/>

Need to expand this part ...

## 1.1 Possible solutions

Define the aims/objectives of the lab more clearly. Clarify formulas even more.

There is a swift change in the method of learning. Studying theory (students do this in a certain way) and then they need to acquire the craft/skill of performing data analysis, i.e. daq and statistical analysis. There is a resistance from the students here. Rephrase this as a challenge.

Solutions:

- Need better motivation to facilitate change
- Clarify early on:  $\gamma$ -spectroscopy and data analysis
- Provide some background theory to the data analysis as well (on intro-meeting?)
- Strive to center the data analysis in general for the complete course.