Project 1 evaluation

Pendulum:
- Did you measure $T \pm \sigma(T)$ correctly? Combine with Chi2 and comments?
- Did you measure $L \pm \sigma(L)$ correctly?
- Did you provide the individual T and L precisions/uncertainties on g?

Ball on incline:
- $T \pm \sigma(T)$
- $L \pm \sigma(L)$ $\Big\}$ $\Rightarrow a \pm \sigma(a)$, with Chi2 and comments.
- $\theta, \Delta\theta$ obtained correctly and
- d, R and errors propagated correctly?

Generally:
- **Correctly propagated uncertainties, showing individual contributions.**
- **Using Chi2 and its probability, whenever possible.**
- All necessary figures and tables there? 2-3 essential figures needed.
- Text enough to understand results? Clear and fitting captions?
- Comment on result, especially inconsistencies.
- Significant digits.

Collect results: Pendulum (T, L, g) and Ball on Incline (T, L, a, θ, $\Delta\theta$, d, R)

Project 1 challenge

Project 1 consist of experiments and data analysis, which well resembles those in real life.

There are TONS of experience to gather from these!!!

For this reason, we give 1-2 extra points to persons/groups, who manage the following:

- Pendulum measurement better than 1/1000 with full and correct data analysis and error propagation consistent with g.
- Ball on incline measurement better than 1/100 with full and correct data analysis and error propagation consistent with g.
- Comparisons, cross checks and ChiSquares throughout.

It is perfectly alright for a group NOT to do this, but continue in person, and just submit a personal addition.