Grading scheme for Master Lab Protocols

1. **Title page:** Name of experiment, date of experiment, name of participants, name of supervisor, date of submission

2. **Theoretical background**   1-2 pages   3 points

   Describe needed theoretical background in your own words

3. Description of **experimental setup**   2-3 pages   8 points

   Describe the experimental setup, the working principle of the used detectors and how the signal is processed.

4. **Data analysis and results**   4-8 pages   10 points

   Describe how the data was taken, how you analyze the data, how the result is calculated. For calculations give intermediate results. Show plots when useful.

5. **Error treatment**   1-2 pages   6 points

   Give the main sources for uncertainties. Calculate the statistical uncertainties for all values and final results. Use error propagation for the uncertainty of the final results taking into account systematic uncertainties when applicable. Discuss the size of the uncertainties.

6. **Summary**   1-2 pages   6 points

   Give summary of all results. Compare your results with values from literature. How big is the deviation of your result from the literature value in terms of standard deviations? How could the experiment be improved to get smaller uncertainties?

7. **Literature**   1 page   -

Descriptions in the manual for the lab have priority over this layout. So always follow the manual and take all the points given above into account.

Grading scheme

1.0	32	1.3	30		
1.7	28	2.0	26	2.3	24
2.7	22	3.0	20	3.3	18
3.7	16	4.0	14		
not passed	< 14				