

Practical Report Checklist

Vsn_300909

C.Grab - VP - D-PHYS

Data Collection and Processing

1. Method		2. Collection of data and tables	
diagram of apparatus with labels	<input type="radio"/>	all appropriate data presented	<input type="radio"/>
method described clearly and explicitly, with an appropriate selection of details	<input type="radio"/>	sufficient data exist	<input type="radio"/>
precautions discussed	<input type="radio"/>	tables of measurements exist with suitable headings and correct units	<input type="radio"/>
3. Data processing, Graph		4. Data Analysis, Results	
appropriate variables plotted	<input type="radio"/>	correct formulae and model used	<input type="radio"/>
points plotted correctly	<input type="radio"/>	calculations completed correctly and described comprehensibly	<input type="radio"/>
graph has labelled axes, correct units and appropriate scales	<input type="radio"/>	uncertainties calculated correctly using correct formulae	<input type="radio"/>
figure has a suitable caption, all variables and relevant parameters are described	<input type="radio"/>	results quoted correctly with errors and correct significant figures	<input type="radio"/>
error bars are included in graph	<input type="radio"/>	possible systematic errors discussed	<input type="radio"/>

Coherence of report

1. Overall Structure		2. Grammar and Style	
title, date, name present	<input type="radio"/>	line of argument and explanations explicit	<input type="radio"/>
abstract: key results, qualities of experiment, <10 lines	<input type="radio"/>	text concise and comprehensible	<input type="radio"/>
introduction to topic, context and relevance, questions to be addressed, theoretical aspects, <1.5 pages	<input type="radio"/>	grammar and spelling adequate	<input type="radio"/>
concise description of experimental setup	<input type="radio"/>	links to data clearly given	<input type="radio"/>
description of measurements free of interpretation	<input type="radio"/>	text refers to all figures and describes relevant details of figures	<input type="radio"/>
discussion and comparison with theory	<input type="radio"/>	paragraphs deal with a well defined subject	<input type="radio"/>
suitable discussion based on result	<input type="radio"/>	equations, figures and tables numbered	<input type="radio"/>
		relevant literature cited	<input type="radio"/>
3. Conclusion		We encourage <i>creativity</i> in thoughts, experiment and analysis.	
summary and conclusion / outlook, <1/2 page	<input type="radio"/>		
links between conclusion and aim clearly expressed	<input type="radio"/>		
valid conclusions based on result (and aim of report)	<input type="radio"/>		

Name of student:

Date, Version :

Marked by:

see also:

S.Allie et al., The Physics Teacher, V35 (1997) 399.

T.lhn: <http://www.phys.ethz.ch/phys/students/bachelor/vp/ordnung/BerichteSchreiben.pdf>