



HONORS PHYSICS

L150-002T

created: 2009 0202

revised: 2010 0215

NAME:			
PARTNERS:			
Block ID #:		track ID #	

Table I: Setup: Same for all runs

change in height (<u>m</u>)	
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Table II: Data. Record to the nearest 0.01 m/s.

Config	Total Mass (kg)	v_1 (m/s)	v_2 (m/s)	v_3 (m/s)	v_4 (m/s)	v_5 (m/s)
A						
B						
C						
D						
E						

Table III: Analysis

Config	ΔK_1 (J)	ΔK_2 (J)	ΔK_3 (J)	ΔK_4 (J)	ΔK_5 (J)	ΔU_g (J)
A						
B						
C						
D						
E						

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Table IV: Analysis, continued

Config	ϵ_1	ϵ_2	ϵ_3	ϵ_4	ϵ_5	ϵ_{avg}	σ_ϵ
A							
B							
C							
D							
E							

Figure I:

Plot ϵ_{avg} versus m . Include error bars for ϵ_{avg} .