

P1310L, Inelastic Collisions

Lab 9, Raw Data Sheet

Submitted by: _____ Experiment's date: _____

Team members:

1.- _____ 2.- _____

3.- _____ 4.- _____

Instructor must initial: _____

Ballistic Pendulum

Follow the instructions in section 9.2.1 of the lab manual. Record your measurements in the following table.

Table 1: Pendulum Parameters

Mass of Pendulum & ball (g)	Pendulum Mass (g)	Center of Mass distance (cm)

Table 2: Angle in degrees for the various trials

Range	Trial 1	Trial 2	Trial 3
Short			
Medium			
Large			

Angular Collision

Follow the instructions in section 9.2.2 of the lab manual. Record your measurements in the following table.

Table 3: Objects in the Angular Collision

Outer hoop radius (cm)	Inner hoop radius (cm)	Hoop mass (g)	Disk radius (cm)	Disk mass (g)

Table 4: Measured Rotational Frequency for the various trials.

	Trial 1	Trial 2	Trial 3
initial (RPM)			
final (RPM)			