CONSERVATION OF ENERGY LAB (data)

The mass of the BOB was measured to be .500 kg.

Part A: (one full swing data):

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Initial position above ground = .9 meters.

"Final" position above ground after one swing (three takes): .875 m
.870 m
.865 m
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Part B: (through bottom of arc):

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L = 2.08 \text{ m} (length of rope from ceiling to BOB's center of mass);

d = 0.0426 \text{ m} (BOB's diameter);

h = 0.493 \text{ m} (height from floor to BOB's center of mass);

t_1 = .0148 \text{ sec} (time of photogate disconnect--two separate runs);

t_2 = .0149 \text{ sec}
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