ancentration to density conversion. gold chlowade mass = 303.3259 0.01% convertation 19 19 19 203.325 5 = 0.003296 mol	BMC Prolab A) Masses & Colloid data short Let Based on Colloid data short Refully Masses DSJ H of About Phone Win 1 File 1. 3229 X10 - 10 0.19991594 5799 5. 5. 330 X10 - 10 0.19991594 5799 5. 5.43 X10 - 10 0.19991594 5799 5. 5.43 X10 - 10 0.1004591 Mass 424 76X10 - 10 0.1004599 Mass 424 76X10 - 10 0.
--	--

Additioned		
Adolthough sources of over	as N moresse	Get simulated D A N = SO > D = 4.15 HOW a formar give The simulation A D = 4.15
	substitute the	Jet simulated B My D= KIR(4+2)-(2) = 4.1548×10 How simulation No - 50 - 0= 4.1548×10 No - 50 - 0= 4.1548×10
i presurement &	(100 / obta)	1/2882/10 = 4.1848x/10 242 242 (C+t)-(C+t) = 1 242 (1) 1848x/10
Systematica (bulk)	1000 money	10-3 Rel 2 E

Mid Rab # 1 M Wid Rab #2 -28-2016 1-25-2016

ome * BMC Pre-Lab

BMC Pre-Lab

Eversion

INCLUDE THIS SHEET AS THE FIRST PAGE OF YOUR REPORT.

Before the 1st Day of Lab Pre-lab Discussion Questions It what are the masses of the various nanoparticles you will be observing in the lab? How many atoms are in a single particle? What is the uncertainty in these numbers? Substantials the anoparticles are available on the BMC Reprint List. Pulse numbers? Dust sheets for the nanoparticles are available on the BMC Reprint List. Pulse numbers? Dust sheets for the nanoparticles are available on the BMC Reprint List. Pulse numbers? Dust sheets for the nanoparticles are available on the BMC Reprint List. Pulse numbers? Dust sheets for the nanoparticles are available on the BMC Reprint List. Pulse the microscope, you will be seen a minimum of two differents state particles in at least four grant date in a single particle? What is the uncertainty in plan to observe and simulate them in Matab. (You should choose at least one particle I pur or large and one smaller.) Pulse your simulated data to calculate the diffusion coefficient. Din each case. Explain howy our arrived at your analysis section, as a second on before the lab. What additional sources of error thress are significantly will come in to play? How will you account for them? Reparticles in the uncertainty of your estimate of D? How does it way with the number of simulated data to pour strategy for making observations in the lab. What additional sources of error thress are significantly will come in to play? How will you account for them? Repart Signature On day 3 of this lab, you should have completed the following: Show them to an instructor and ask for a signature. 1. Mid-lab Questions On day 3 of this lab, you should have completed the following: Show them to an instructor and ask for a signature. 1. Mid-lab Questions Part II 2. Using a siles with a combination. Explain how it is possible to see 40 mm objects with visible light (400-750 mm wavelengths). 3. See up dark-field illumination. Date On the particle is the particle tracks to an instructor. What has been asked to a sile of the pa
--

Please also fill out the Student Evaluation of Experiment.

completed by the third day of lab? (circle) Yes / No

vered by Drupal