RUT - Rutherford Scattering Signature Sheet

Student's Name	Partner's Name
Before the Lab	
You must watch the Radiation Safety experiment. View the Rutherford vid	y video, and get a Radiation Ring before you use the apparatus in this deo about this experiment online.
Ring # Issued (Date and Signe	ed)Returned (Date and Signed)
Pre-Lab Discussion Questions	
period. This signed sheet must be in	his lab with an instructor before your first day of your scheduled lab acluded as the first page of your report. Without it you will lose grade iscuss at least the following before you come to lab:
	g. Read the following: Book by A. C. Melissinos, "Experiments in ress, New York, 2003, the section on Rutherford Scattering.
	ing formula? Define or explain each of the terms in the formula. What How is the cross section related to what you actually measure in the
3. Why is it difficult to obtain dat	ta at large scattering angles?
Staff Signature	Date
Completed before the first day of lab	o? (Circle one) Yes / No
Mid-Lab Discussion Questions	
1. By day 4 you should have enouging. Show it to an instructor and	igh data to demonstrate the angular dependence of Rutherford scatter- nd ask for a signature.
Staff Signature	Data

Checkpoint Signatures

1	DN Data-ta-
1.	PN Detector
	Staff Signature
2.	Signals
	Staff Signature
3.	Measurements
	a. mai
	Staff Signature
	TI I D. A. I. I
4.	Trial Run Analysis
	Staff Signature
5.	Spectrum
	Staff Signature