





Update of Rutherford scattering in the Kinematics calculator







Starting files and working directories Starting configuration at loading the program A1900_2015.lcn Starting options file at loading the program A1900_2015.lopt Working directory Browse Current user has administrative privilegies: Yes Calculation settings Yes	
Starting configuration at loading the program A1900_2015.lcn Browse Target optimization option Starting options file at loading the program A1900_2015.lopt Browse Scheme options Working directory Current user has administrative privilegies: Yes LISE++ working directory (options, config, etc) is Current user has (options, config, etc) is Current user has (options, config, etc) is Plot options	
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Current user has administrative privilegies: Yes Coptions, config, etc) is ISE ++ root directory	
Calculation settings	
Calculate spectrometer settings using Apply the "Edge" effect in distribution cuts	
maximal C mean Dimension of distribution (NP) recommended value of the momentum distribution	
calculation WITHOUT 64 64 64 C C right peak C C right peak C C right peak	
calculation WITH 32 32 Charge States Calculation Cross Section	
wedge calculation 32 🔽 16 No O Yes Fit O File 🔅 CS File Setting	<u>،</u>
Transmission information in the Table of Nuclides Utility options	
Primary beam scattering in target (MC)	
Display 1 Total: All reactions (pps)	1ode
Display 2 I otal ion transmission (%) Spectrometer scheme Distribution Debugging Mode (file 'distri	o.txť)
Sound Check LIZ-file consistency (Configuration	ons)
Make default SD-Balls Animation Check LIZ-file consistency (Options)	
Image: OK Image: Cancel Image: Help Image: Show Fitting constraint blocks in the Setup and Scheme windows Image: Hold angles of an inclination of a target and a stripper together	



Rutherford scattering and Angular straggling

⁴⁸Ca (4.61 MeV/u) + Bi2O3 (0.39 mg/cm²)





MICHIGAN STATE

Very low energy

Straggling in material

🔲 Angular

0.15

0.15

Straggling in material

🔽 Angular

0.16

0.16







