

The Oslo Method In Inverse-kinematics

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With direct kinematics the biggest challenge is the targetry, which limits us to nuclei close to stability and elements with reasonable chemical properties. To study short lived nuclei or elements such as noble gases other techniques must be used. The most obvious route is to use the inverse-kinematics.

This introduces a lot of new challenges not seen in direct kinematics such as kinematics compression and Doppler shift. In this talk I will present results from Oslo Method analysis of inverse kinematics experiments and discuss the challenges inverse kinematics poses and possible future developments in experimental setups that might address the shortcomings of inverse kinematics.

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