

The Multi-Reflection Time Of Flight Mass Spectrometer for the S3 collaboration

vendredi 21 novembre 2014 09:15 (30 minutes)

A Multi-Reflection Time Of Flight Mass Spectrometer (MRTOFMS) is an electrostatic ion beam trap used for fast mass measurement and mass separation. Mass-resolving power above 10E5 can be reached within a few milliseconds or less, which makes this technique ideal for on-line mass separation, even for short lived nuclei. A MRTOFMS is currently studied for the S3 collaboration (Super Separator Spectrometer) dedicated to the study of very heavy and super heavy nuclei.

Auteur principal: M. CHAUVEAU, Pierre (GANIL)

Co-auteurs: Dr DE FRANCE, Gilles (GANIL); Dr DELAHAYE, Pierre (GANIL); Dr MERRER, Yvan (LPC Caen)

Orateur: M. CHAUVEAU, Pierre (GANIL)

Classification de Session: Instrumentation

Classification de thématique: Instrumentation