



Webinar Series

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Part I: Galactic Cosmic-Ray SEE Testing

Tuesday 13 December 2022 08:35 (20 minutes)

Japan has many accelerator facilities, but only a few beam lines are available for the high LET Galactic Cosmic-Ray testing for SEE. Takasaki Ion Accelerator for Advanced Radiation Application (TIARA) has some specialized beam lines for SEE testing. Broad beam irradiation lines from a K=110 MeV AVF cyclotron and a micro-beam line from a 3-MV tandem accelerator are available for the testing and used for a long time in Japan as leading facilities. Specifications of the beam lines and their target chambers as well as some results from experiments on the beam lines will be given in the talk. In addition, application of high energy ions from the synchrotron that can penetrate completely thick devices such as power MOSFETs will be shown.

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