Contribution ID: **86** Type: **not specified**

Development of the injector for heavy-ion therapy using laser-driven ion acceleration レーザー駆動重イオン加速器を利用した重粒子線がん治療器入射器の開発

Friday, 19 November 2021 16:00 (30 minutes)

Laser driven ion acceleration is one of the novel mechanism for compact ion acceleration. However, this mechanism have problems which are multi ions species and broad energy in the acceleration beam. Beam for medical application, especially , must be constructed with a monochromatic energy and one nuclide by safety controlling the quality of laser-driven accelerated beams. We report how to approach these problems at QST laser system.

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Session Classification: Medical, Radioisotope Production, Analysis 医療，アイソトープ生成および分析