



# HEAVY-ION RADIOTHERAPY WITH HIMAC

**MR. Koji Noda**  
General Director  
National Institute of Radiological Sciences, Japan

*Heavy-Ion Medical Accelerator in Chiba, HIMAC, was constructed for the cancer radiotherapy (RT) with heavy-ions. In 2003, the Japanese government approved the carbon-ion RT with HIMAC as a highly advanced medical technology. After that, NIRS developed a standard carbon-ion RT facility in order to boost the carbon-ion RT.*

*At present, NIRS has just proposed a new research project for super compact heavy-ions RT facility, the so-called 5<sup>th</sup> generation heavy-ion RT machine in Japan. In the treatment, multi-ions will be used in order to control both the biological dose and the RBE. We will report the development of heavy-ion RT with HIMAC and also the new project.*

## Public Lecture

**Monday 5th June**

**18:00-19:00 Fondazione CNAO,  
Auditorium**

**Free entrance – Conference in English**

