

# KMI Colloquium

## Toward Heavy-Ion Physics at J-PARC



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### Abstract:

Recently an interest toward high density nuclear matter has been reconsidered and discussed rather seriously in various fields, in particular, in high-energy nuclear physics.

In the present talk, I shall review, first, historical aspects in this field toward high density matter since 40 years ago, as viewed from my personal view. Then, in the second, I will describe the current efforts of heavy-ion collisions both at RHIC and LHC. In the third, I discuss future possibilities in terms of “high-density nuclear matter” physics including neutron stars, together with our recent accelerator efforts at J-PARC.

