

## Talk-5

# Origin of the Elements and RI Beam Factory

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### Abstract

Experimental programs on nuclear science at the Radioactive Isotope Beam Factory project in RIKEN are introduced.

Special emphasis is given to an unanswered question of physics: How were the heavy elements from iron to uranium made? The heavy elements are assumed to be made in supernova explosions, but the specifics of how this happens are unknown.

RIBF would contribute to solve the question. Present status and future plans of RIBF are presented, too.