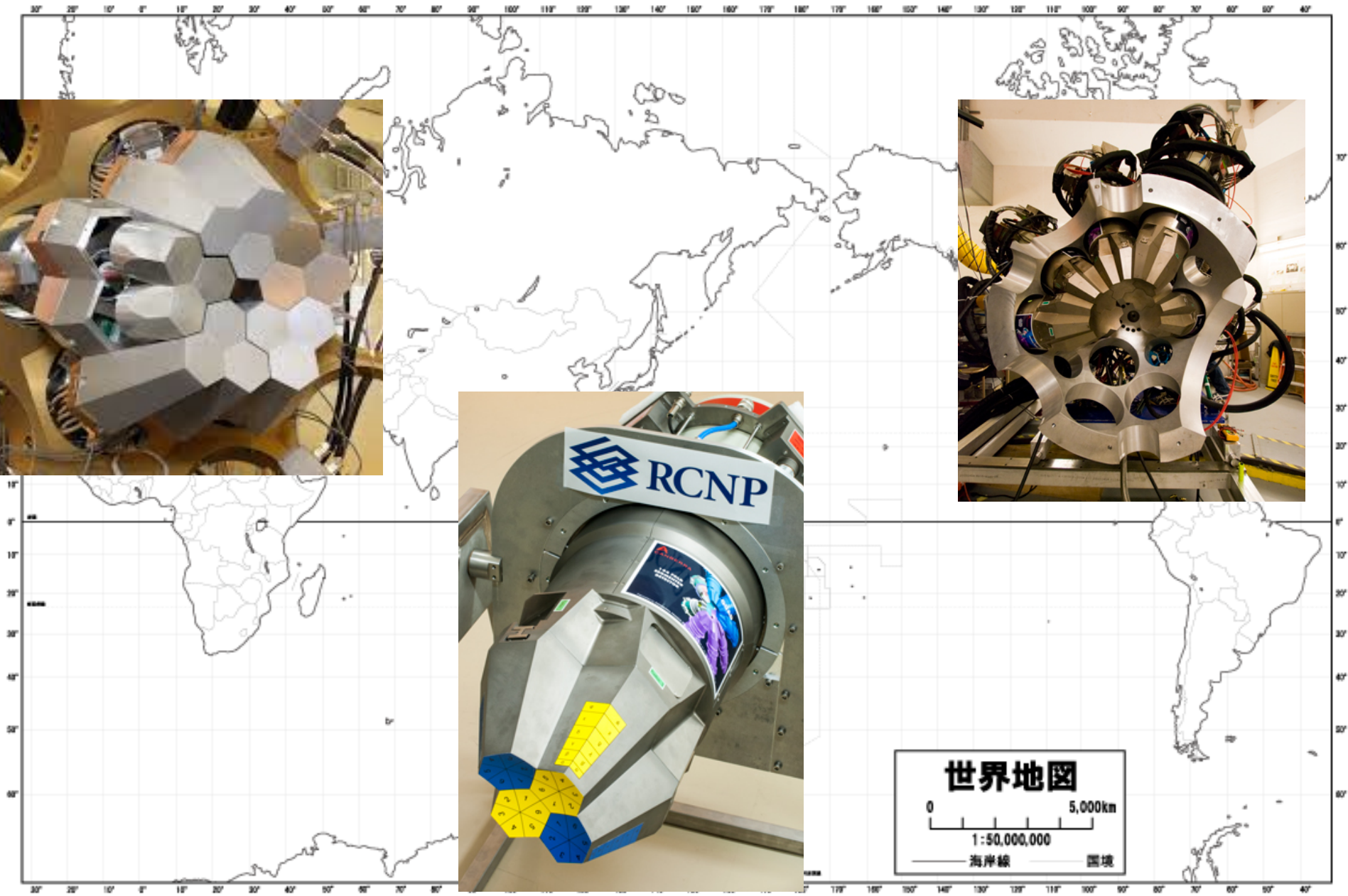


# 1st AGATA-GRETINA collaboration meeting





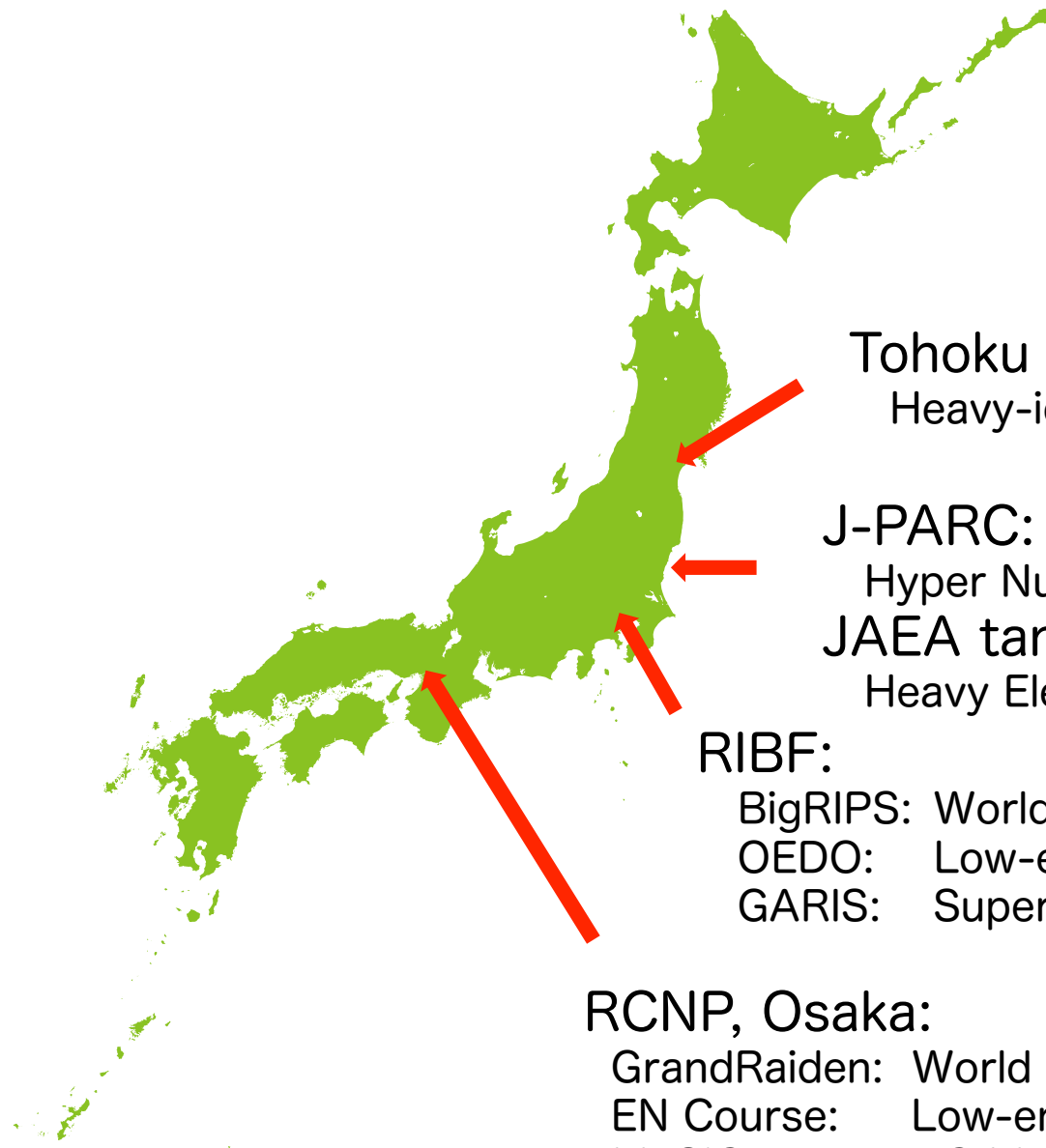
Gamma-ray tracking  
detector array  
project in Japan.

*AOI Nori (RCNP)*

*IDEGUCHI Eiji (RCNP)*

Status of Gamma-ray  
tracking detector  
at RCNP

*YAMAMOTO Yasu (RCNP)*



Tohoku  
Heavy-ion Cyclotron

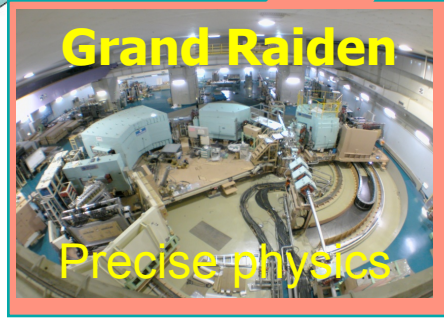
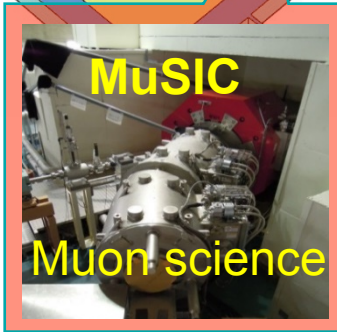
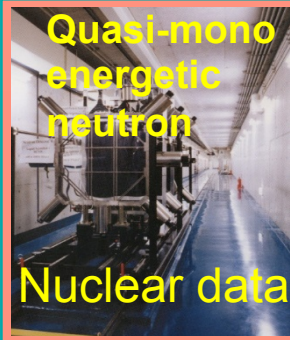
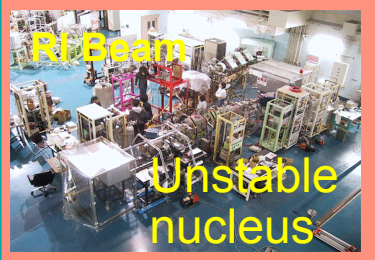
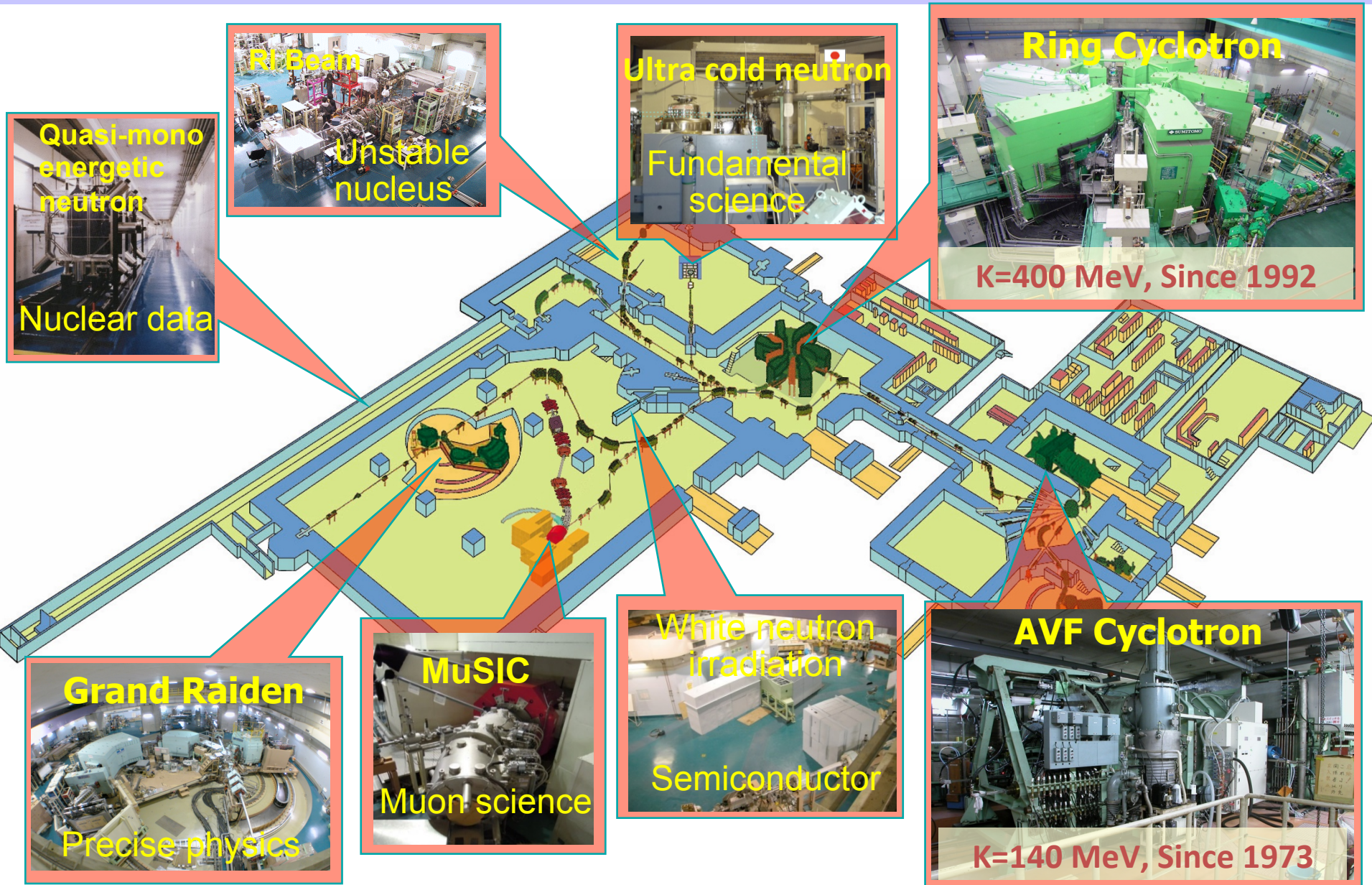
J-PARC:  
Hyper Nuclear Study  
JAEA tandem:  
Heavy Element Study

RIBF:  
BigRIPS: World Highest Intensity RI beams  
OEDO: Low-energy (~10MeV) RI beams  
GARIS: Super heavy element study

RCNP, Osaka:  
GrandRaiden: World Highest Energy Resolution  
EN Course: Low-energy (10~50AMeV) RI Beams  
MuSIC: DC Muon facility



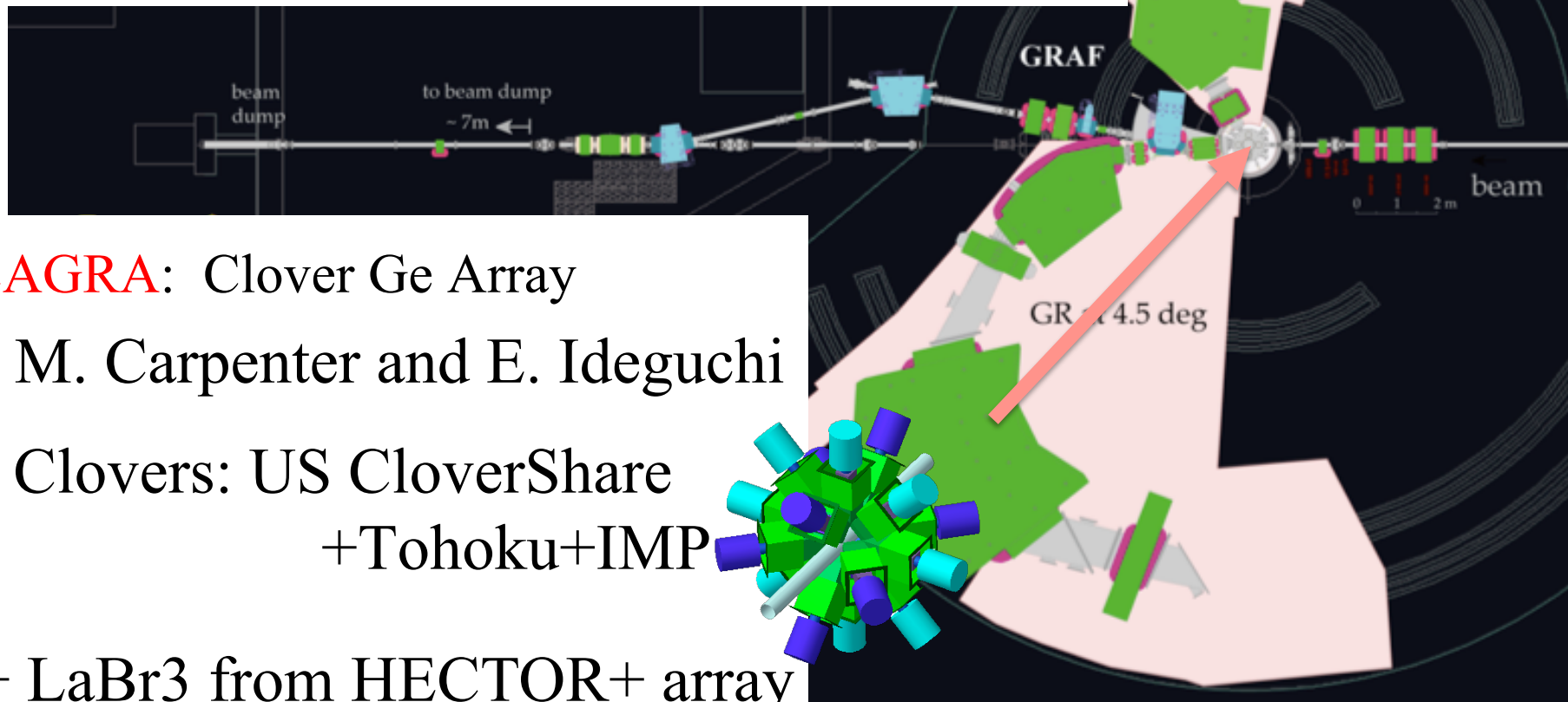
# RCNP Cyclotron Facility





**GRANDRAIDEN:**

High-resolution  
magnetic spectrometer



**CAGRA:** Clover Ge Array

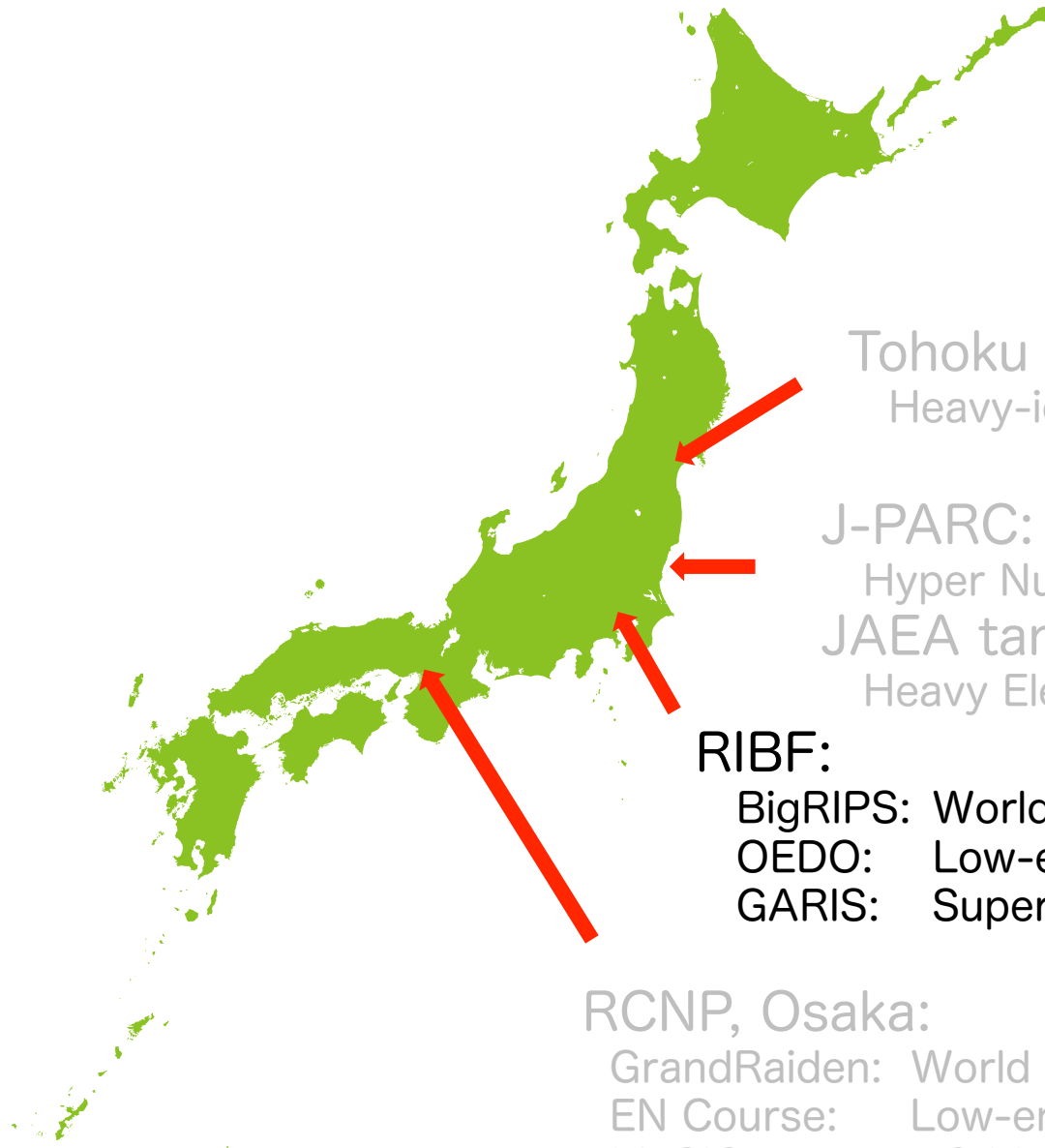
M. Carpenter and E. Ideguchi

Clovers: US CloverShare

+Tohoku+IMP

+ LaBr3 from HECTOR+ array  
(Milano)





Tohoku  
Heavy-ion Cyclotron

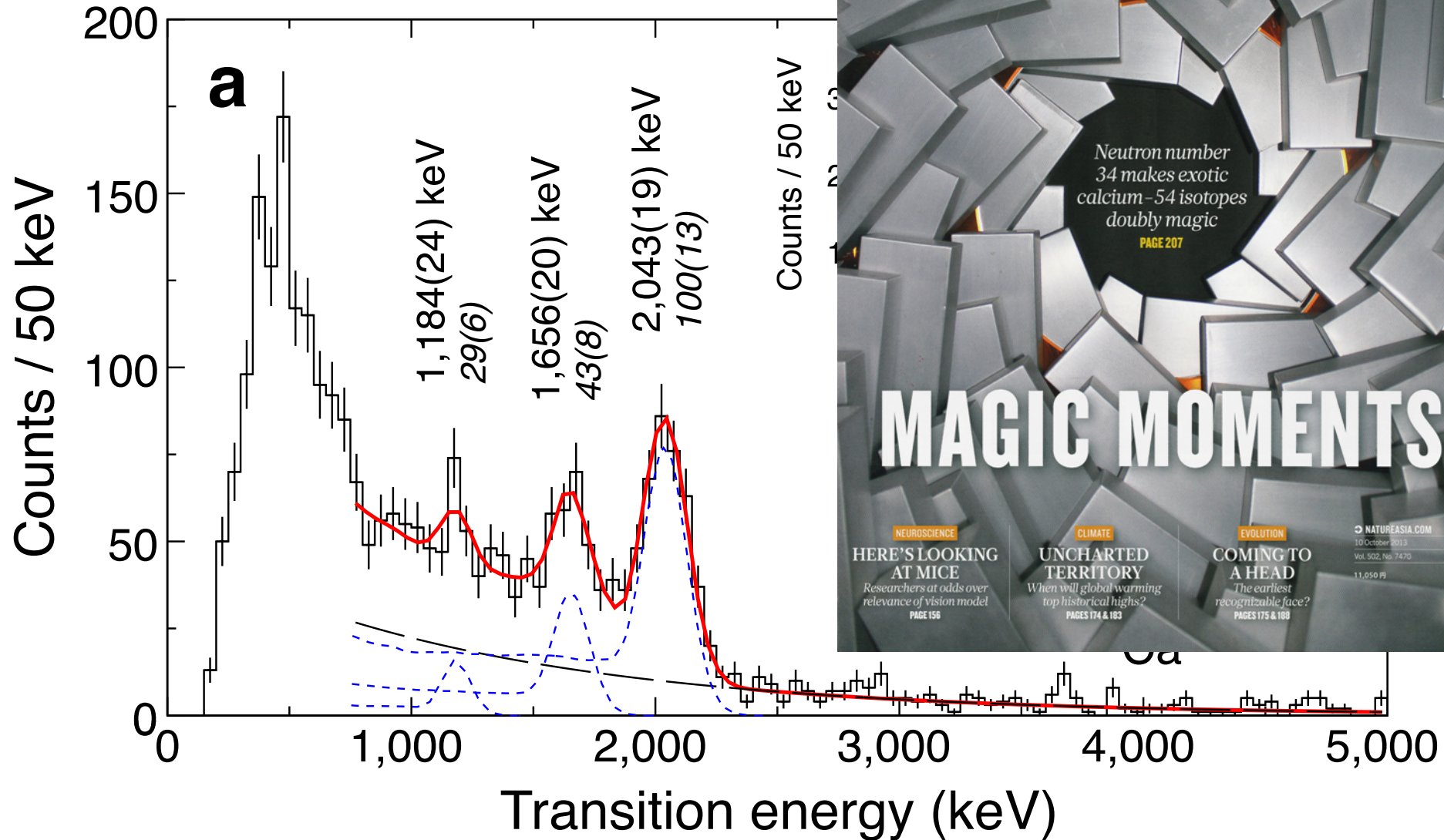
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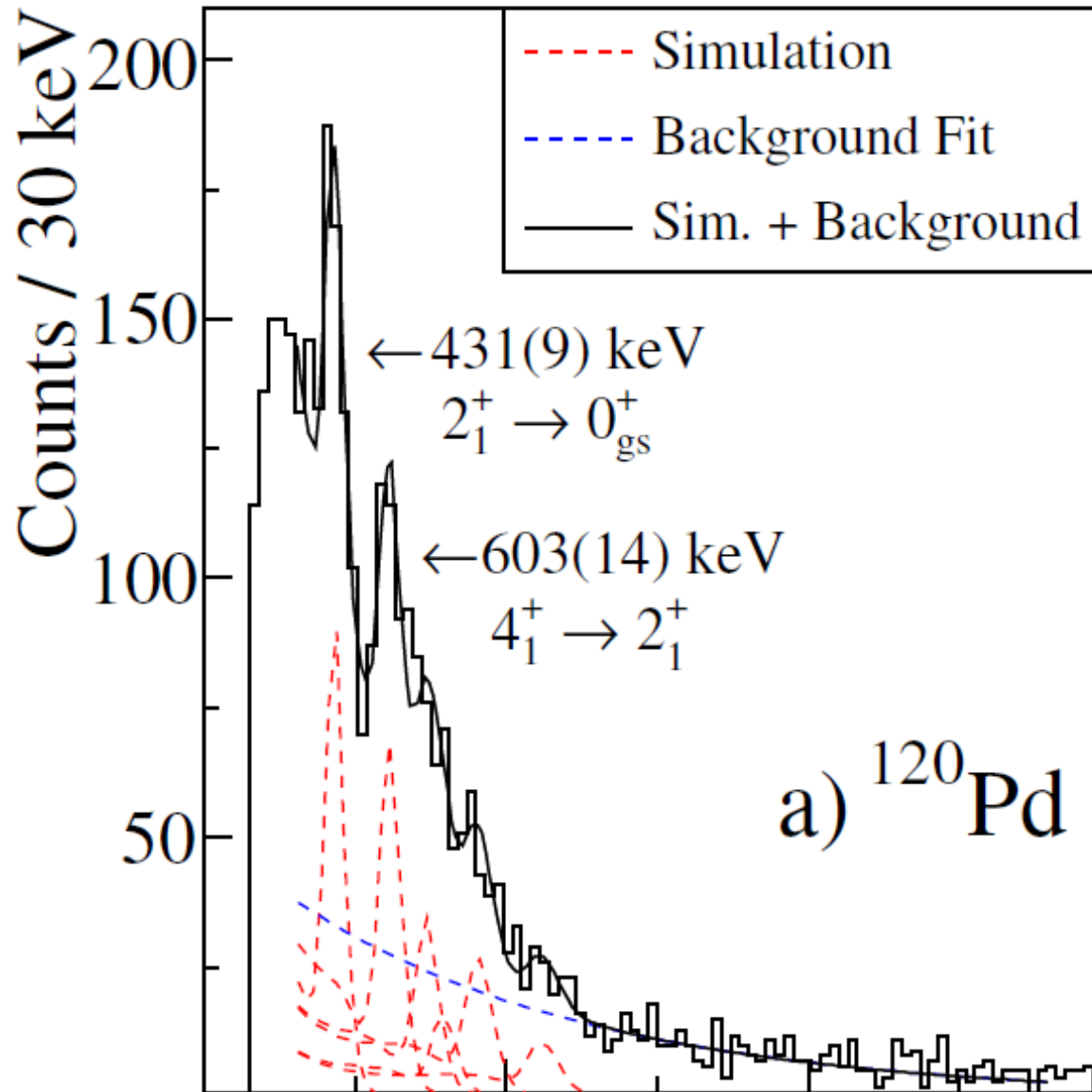
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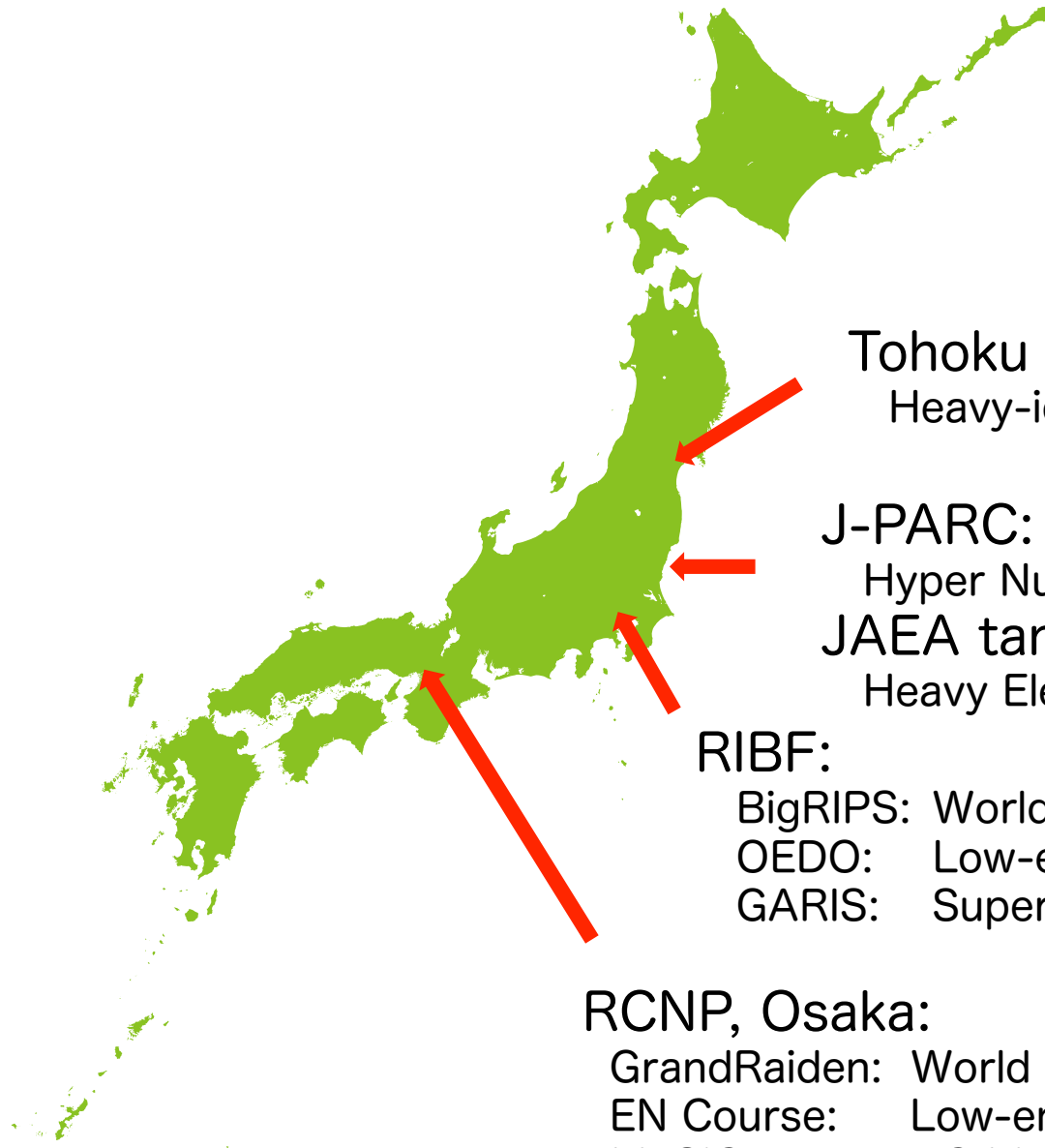


# γ-ray spectroscopy



Wang He et al.





Tohoku  
Heavy-ion Cyclotron

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- Many scientific opportunity at many accelerator facilities
  - Many demands for gamma-ray detector array from many scientists with much scientific interest
  - Large scale  $\gamma$ -ray detector array not very satisfactory (No GS/EB generation gamma-ray spectrometer)
- Increasing demand to construct Japanese (or Asian) Ge detector

- Whole Japan/Asian collaboration
- Start from GRETINA type detector and readout  
(with great help from GRETINA Gr.)
- One detector at RCNP to familiarize the system
- Upgrade to  $1\pi$  and more.
- Contribute to  
the GT-AG community in some form.



Gamma-ray tracking  
detector array  
project in Japan.

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Status of Gamma-ray  
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