



# TRAN HAI NAM

Dalat Nuclear Research Institute, VietNam

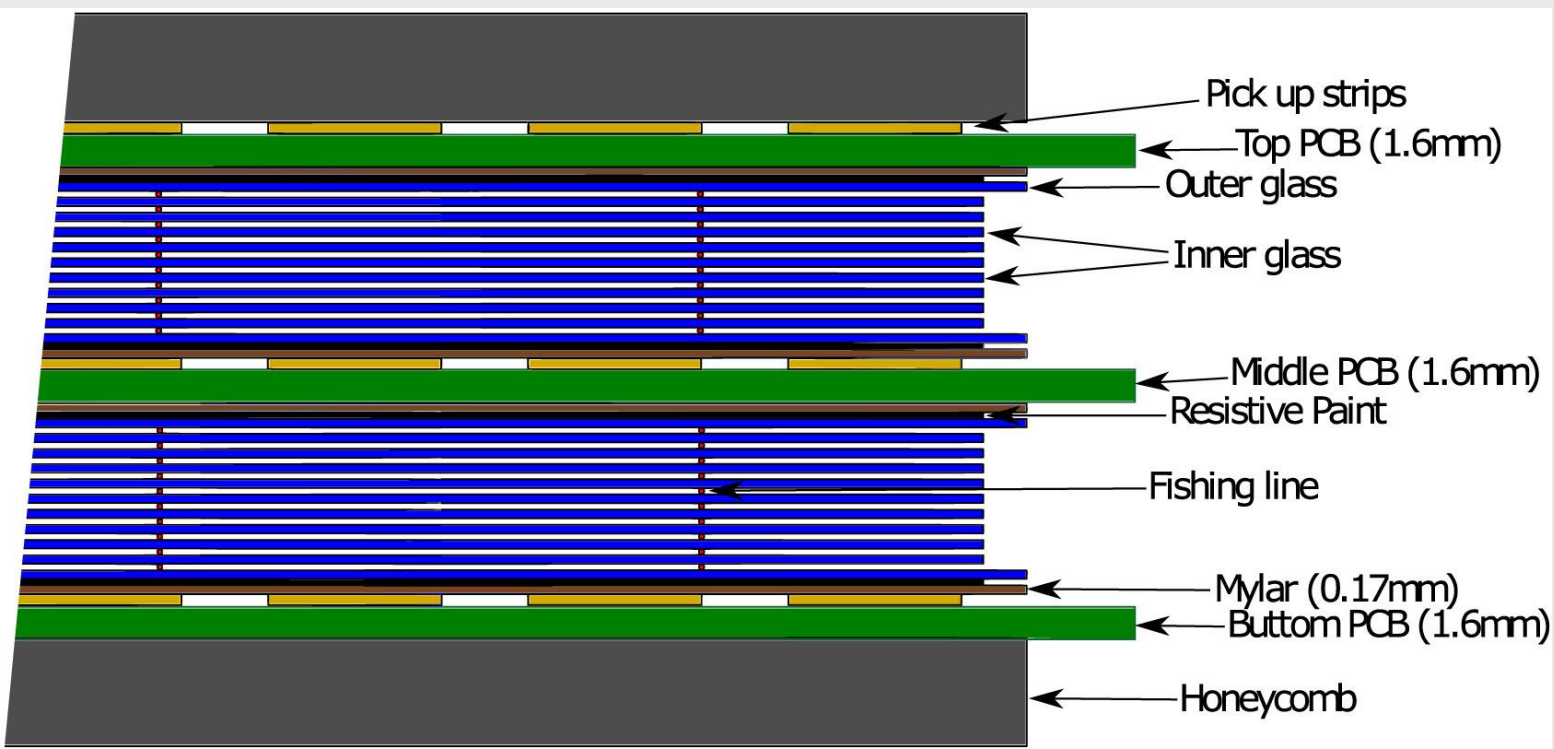
35 years old, Ph.D in Physics.

I live in Dalat (where the coffee is so strong that you can smell the coffee all over me)

I like eating (others say it's a hobby but for me it's a sport)

# EDUCATION

**Master of Science in Nuclear Physics,**  
*"Development of Resistive Plate Chamber  
for LEPS2 experiment"*



## Advantages:

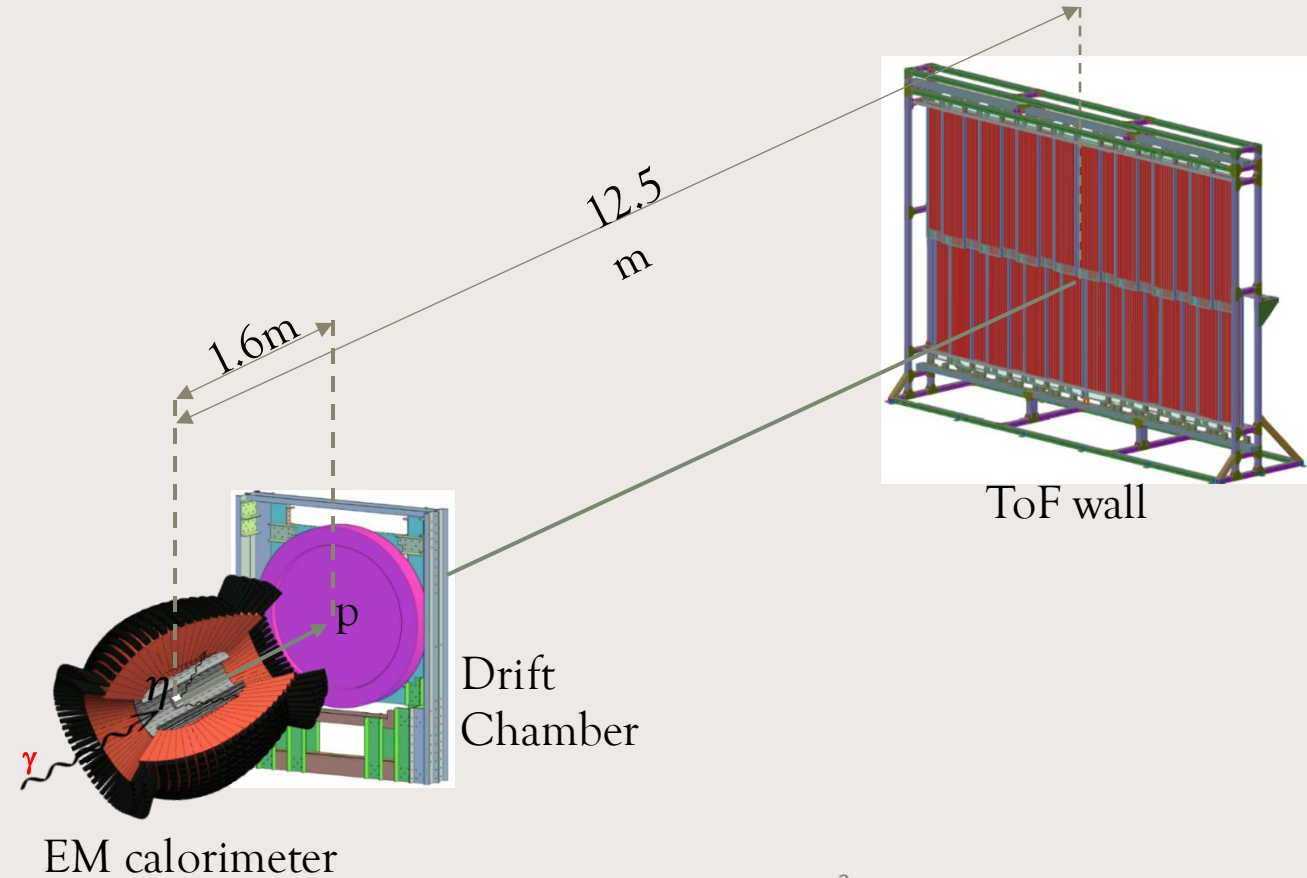
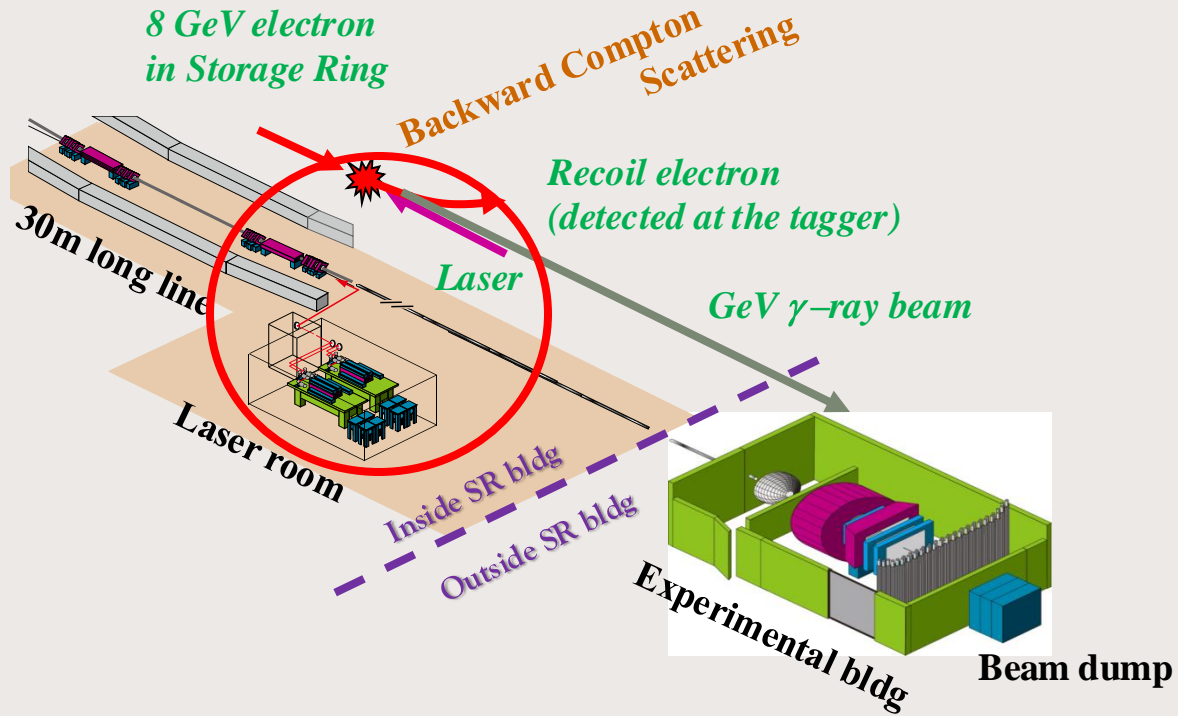
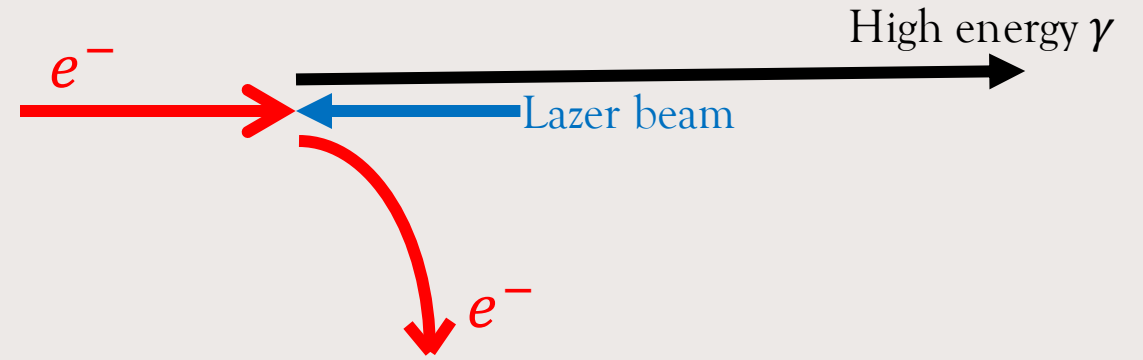
- Fast signal response
- Ultra-high time resolution (50 ps)
- High efficiency (>98%)
- Wide coverage area
- Cost-effective

## Challenges:

- Noisy output
- Requires complex calibration

# EDUCATION

Ph.D in Physics, Osaka University, Japan.



# KEY RESEARCHES

## Experiments

- Dalat Nuclear Reactor (2023-Present) – Neutron activation, neutron scattering.
- LEPS2 Experiment (2019–Present) – Data analysis, calibration, and Geant4 simulations for the Forward Charged Detector system.
- BGOegg Experiment (2014–2019) – Built and operated the Forward Charged Detector, contributing to  $\eta$  photo-production studies.

## Key Publications

- N. Tomida, N. Tran et al., *Journal of Instrumentation*, 2014 & 2016.
- T. Hashimoto, T. Nam, N. Muramatsu et al., *Physical Review C*, 2022.

# TECHNICAL SKILLS & EXPERTISE

- **Detector Systems:** Resistive Plate Chamber (Time of Flight detector), Drift Chambers (Tracking detector), Electromagnetic Calorimeters (Energy measurement).
- **Data Analysis & Simulation:** high energy reactions (GeV) and low energy reaction (keV), DAQ systems, Geant4, signal processing (VME/CAMAC system, TDCs, ADCs, amplifiers, discriminators etc.).

# FUTURE GOALS & RESEARCH INTERESTS

- **Current Focus:** Baryon resonance studies & Neutron scattering experiment.
- **Future Goals:** Advanced detector development for neutral particles.