

# Session 11: Reporting ADS development activities in Asia

**Prof. Pyeon (Kyoto) presented**

Energy amplifier system using ADS with high-energy protons  
ADS experiments with 100 MeV protons and 14 MeV neutrons

**Prof. Chai (Korea) presented**

Current Status of NPPs in Korea

In operation : 23 units ,Under construction(3.8GWe): 3 PWRs,Under  
license review(5.6GWe): 4 PWRs

ADS research by KAERI and SKKU

R&D plans: Development of high energy high current ( 5MW)  
cyclotron accelerator system for accelerator driven thorium based  
nuclear reactor: injector LINAC, intermediate stage cyclotron,  
final stage high energy cyclotron, high energy high current (1 GeV,  
12mA,) beam transportation system

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**The motivation** for these (University) research projects stems from the public pressure to stop producing radioactive wastes in operating nuclear power plants and to have available a reliable production of electricity.

A similar situation in **Switzerland and Germany**. Government decisions not to replace existing NPP. A majority of parliament follows. In Switzerland a popular vote will take place next year on modification of law on energy.

**How to use the results of this conference ?**

to show the destructive effects of wind and sun power on the economy  
(destabilizing factors instead of power stations)  
to advance the case for thorium based nuclear energy?