Welcome to ISINN-26

Xi’an, China, May 21-25, 2018

Co-organized by
Where--Xi’an, China

- Starting point of the Silk Road
- Famous for its rich cultural heritage

Terra-Cotta Warriors, ~210 BC

The City Wall, finished in 1378

Great Wild Goose Pagoda, finished in 652
With who? -- XJTU & SKLIPRSE

Xi’an Jiaotong University (XJTU)

State Key Laboratory of Intense Pulsed Radiation Simulation and Effect (SKLIPRSE)
Introduction to XJTU

Founded in 1896, was named Nanyang (南洋) Public College in Shanghai; Renamed to Jiaotong (交通) University in 1921;

In 1956, most students and staffs moved to Xi’an;

In 1959, Jiaotong Univ. was divided into SJTU and XJTU.

Now XJTU is a comprehensive university with 17 academic schools and 4 teaching hospitals.
Introduction to SKLIPRSE

◆ Established in 2012
  • Authorized by Ministry of Science and Technology, PRC
  • Supported by Northwest Institute of Nuclear Technology (NINT)
Introduction to SKLIPRSE

◆ Research Fields

① Intense Pulsed Radiation
- High power electrical pulse
- Intense pulsed beam
- High power pulsed electro-magnetic field

② Radiation Effect
- Mechanism of radiation effect
- Simulation of radiation effect
- Experimental technique of radiation effect
- Radiation hardening and evaluation

③ Pulsed Radiation Measurement and Diagnosis
- Pulsed radiation measuring
- Diagnostic of pulse radiation process
Introduction to SKLIPRSE

◆Research Area in Neutron Physics

• Investigation in pulsed neutron flux measurement
• Fast and ultra-fast pulsed neutron and X-ray detection
• Neutron detection in harsh environments
• Neutron energy spectrum measurement
• Calibration techniques

Magnetic proton recoil neutron spectrometer
Eight-element neutron scatter camera
Diamond detector ($\phi$ 46 mm × 300 μm)
4H-SiC detector (20mm × 20mm)
Welcome to China!
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