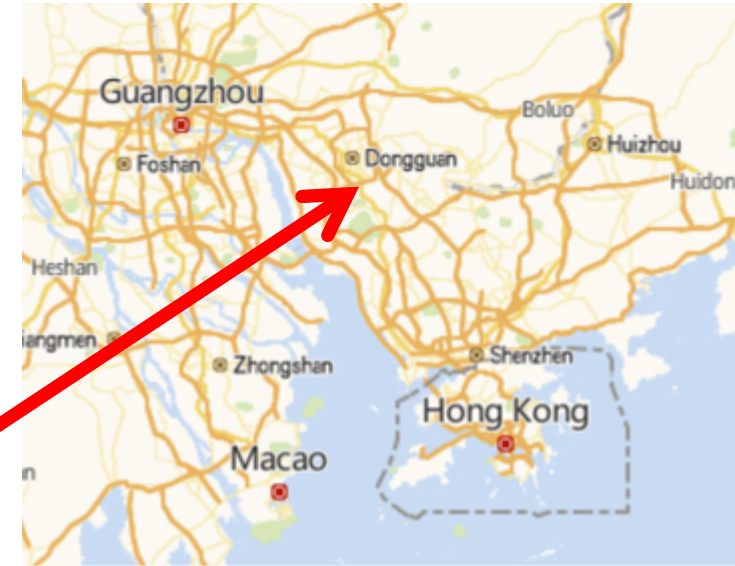


CERN forum on IHEP
career opportunities

**The Dongguan
Branch**

Introduction--Where we are



Operation and development of an accelerator-driven pulsed spallation neutron source facility



China Spallation Neutron Source



SNS, Oak Ridge,
I I S A

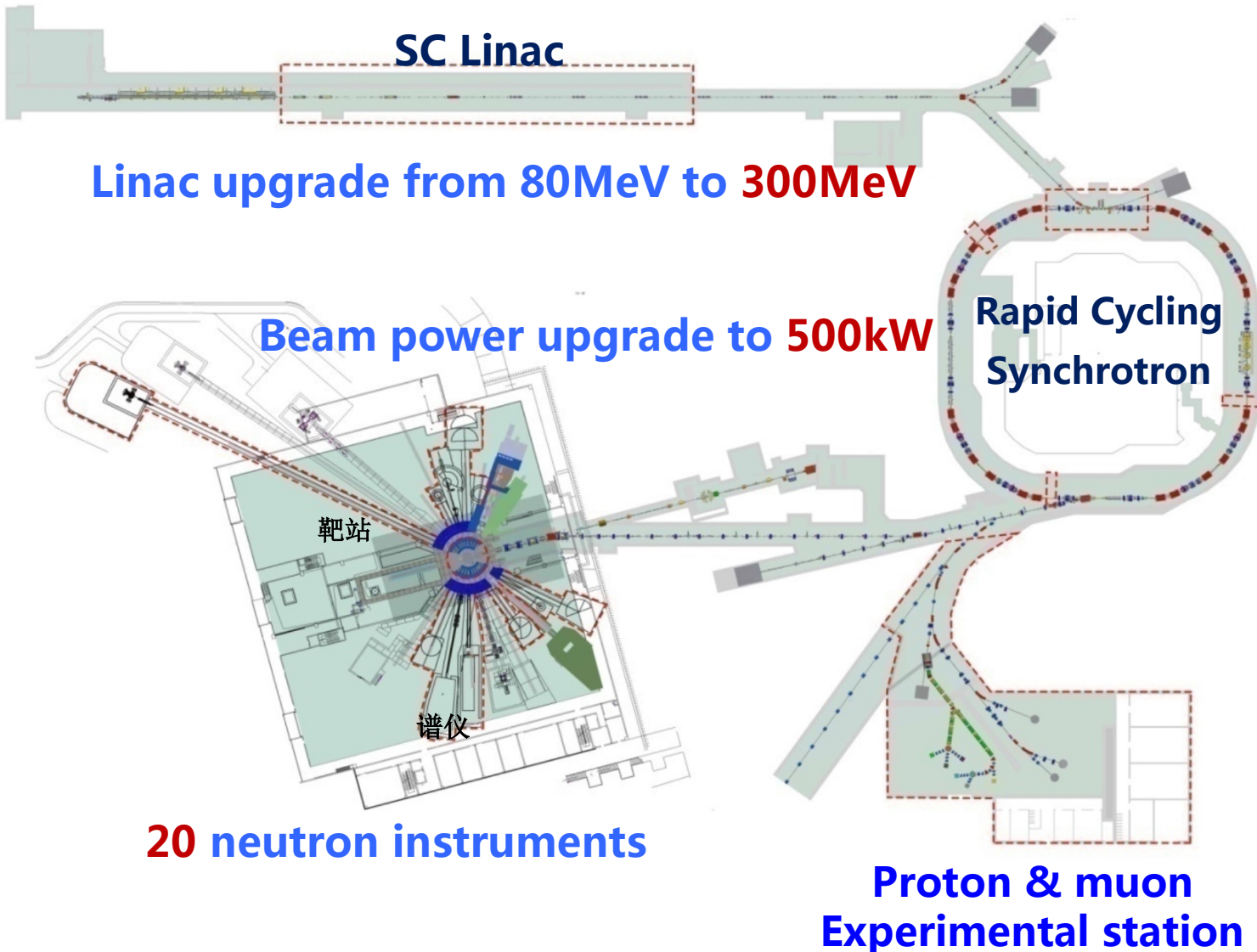


ISIS, Rutherford, UK



J-Parc, Tokai, Japan

China Spallation Neutron Source Phase I (2011.8-2018.3) and Phase II (2024.1-



	CSNS	CSNS-II
Beam power (kW)	100	500
Rep. rate (Hz)	25	25
Target number	1	1
Average beam current (μA)	62.5	312
Proton beam energy (GeV)	1.6	1.6
RCS injection beam energy (MeV)	80	300
Number of Spectrometers	3	11+8

the Southern Advanced Photon

Source (SAPS)

- The 4th generation medium-energy (3.5GeV) diffraction-limited storage ring
- Attosecond coherent pulses Embedded with SAPS
- SAPS will be located next to CSNS (Neutron technique + X-ray technique)
- SAPS research and test platform finished
- R&D on key techniques
- Stage CD0

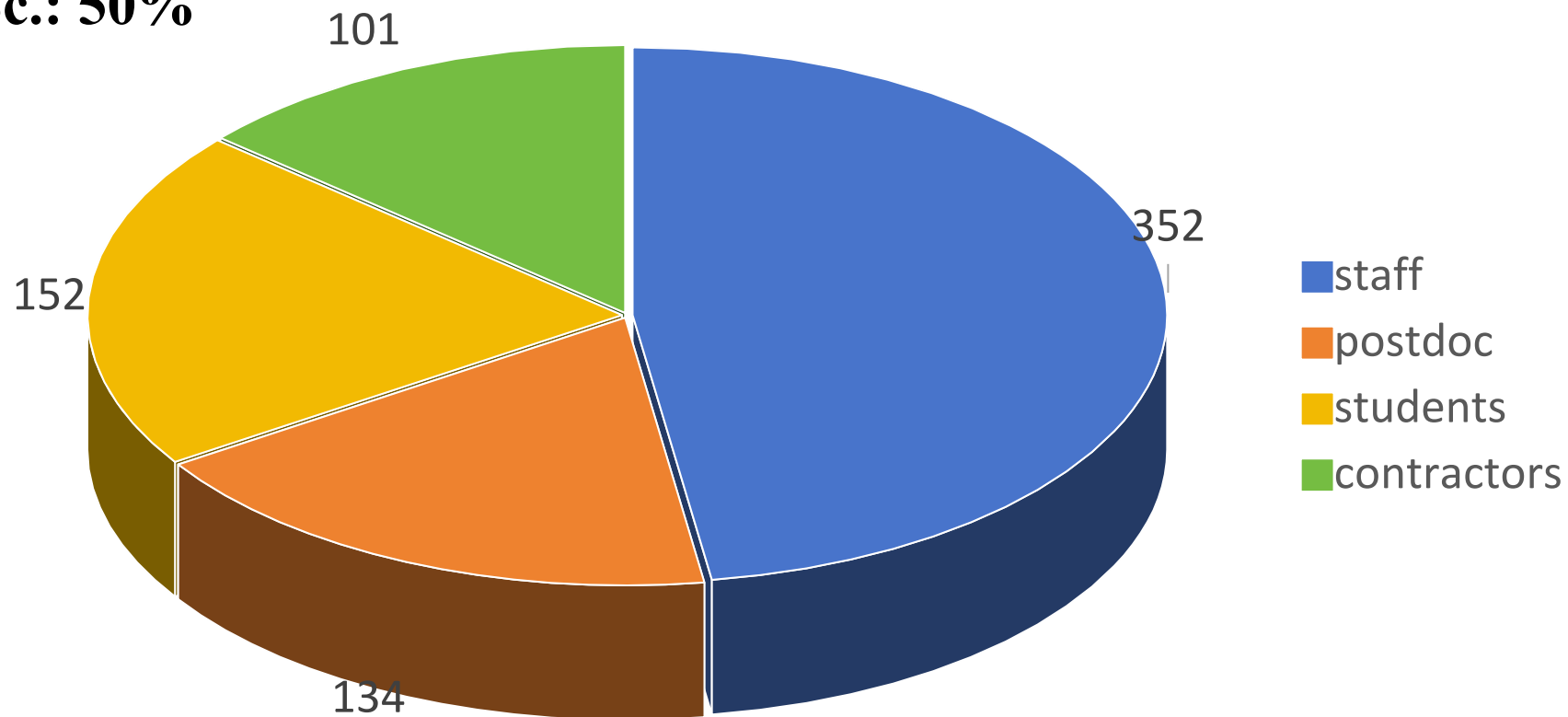


□ **Number of Personnel: 749**

□ **Average age: 37**

□ **Ph.D: 39%; MSc.: 50%**

Personnel Structure of CSNS



Recruiting Website :
<http://english.ihep.cas.cn/jw/>

Job Opportunities

Particle accelerator

- ❑ Linac & synchrotron
- ❑ Accelerator physics
- ❑ Magnet & Power supply
- ❑ Beam instrumentation
- ❑ Radio frequency
- ❑ Mechanics & Alignment
- ❑ Vacuum
- ❑ Radiation safety

Neutron Sci. & Tech.

- ❑ Neutron Physics
- ❑ Neutron instrumentation
- ❑ Neutron scattering data analysis
- ❑ Neutron detector & electronics
- ❑ Neutron related R&D

X-ray Sci. & Tech.

- ❑ X-ray instrumentation
- ❑ X-ray Optics
- ❑ X-ray related R&D

Recruiting Website :

Benefits and opportunities

✓ Senior research staff

- Internationally Competitive compensation
- **Position tailored to staff's experience**
- Abundant research start-up funds

✓ General research positions

- Competitive compensation
- Competitive housing plans, Child education, Medical, Social security etc.

✓ Post-Doctoral Fellow

- Offer a two-year contract
- 400,000~500,000 CNY (**60k+ EUR**)per year.

CSNS: Phase I (In operation)

Phase II (CD4, Jan. 2024 - Oct. 2029)

SAPS: CD0 (CD4 expected 2028-29)

