

清华大学高等研究院
Institute for Advanced Study
黄长风讲座
T. F. Hoang Lectures

X-Ray Free Electron Laser (FEL) and Endeavor for Full Coherence

Dr. Yu Li-Hua (余理华博士)
Brookhaven National Laboratory, USA

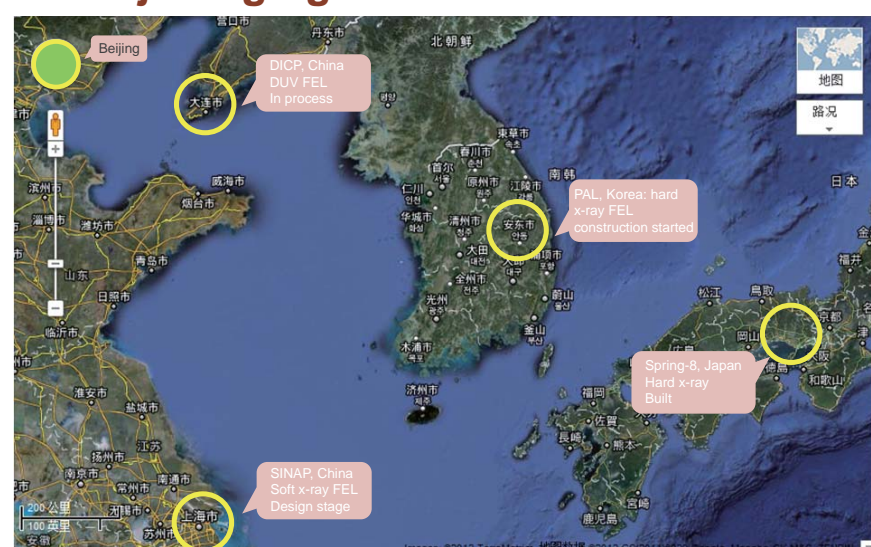
时间：2013年8月2日下午4时
地点：清华大学西阶梯教室（大礼堂西南侧）

History

Electromagnetic wave as a tool for scientific research
Evolution and Revolution

- 1879 - Light bulb
- 1895 - X - Rays
- 1960 - LASER
- 1970 - Synchrotron radiation
- 2009 - X - ray lasers

Major high gain FEL facilities in Asia

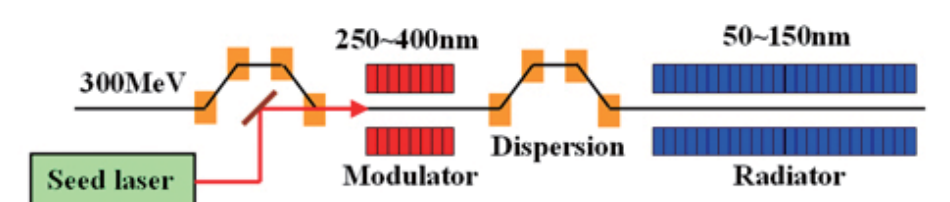


上海应物所



大连DCLS (2011-15)

50-150 nm fully tunable
Fully coherent
Narrow bandwidth/ultra short



Yang Xue Ming

