

# Tutorials on the Physics of Free-electron Laser

## Syllabus

1. 2015-08-18, Overview of free-electron laser, 张彤
2. 2015-08-25, Introduction to the physics of synchrotron radiation, 周开尚
3. 2015-09-01, Beam optics — what the FEL researchers care about, 刘涛
4. 2015-09-08, Introduction of beam diagnostics on free-electron laser facilities, 边宇
5. 2015-09-15, The physics of low-gain free-electron laser, 周开尚
6. 2015-09-24, Beam optics — how to play MAD, 刘涛
7. 2015-09-29, Java development on accelerator and FEL facilities, 张白鑫
8. 2015-09-29, EUV Lithography, 齐争
9. 2015-10-09, The physics of high-gain free-electron laser, 周开尚
10. 2015-10-09, 宋明豪
11. 2015-10-13, Seeded free-electron laser, 刘涛
12. 2015-10-13, Beam Arrival Time Monitor, 汪金国
13. 2015-10-20, 曹珊珊
14. 2015-10-27, Numerical simulations of free-electron laser, 张彤
15. 2015-11-03, Software development of the high-level applications for FEL facilities, 张彤
16. 2015-11-10, Self-seeding FEL, 张开庆
17. 2015-11-17, Laser Compton scattering, 许杭华, 武海龙
18. 2015-11-26, Advanced topics on FEL, 冯超
19. 2015-12-17, Key technologies of free-electron laser facilities, 王老师
20. Summary and discussion