

Synchrotron radiation

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and

Diamond Light Source

Schedule 2017	Monday Jan 30 th	Tuesday Jan 31 st	Wednesday Feb 1 st	Thursday Feb 2 nd	Friday Feb 3 rd
09:00	Synchrotron Radiation lecture <i>R. Bartolini</i>	Synchrotron Radiation lecture <i>R. Bartolini</i>	Linear imperfections lecture <i>H. Bartosik</i>	Mini-workshop Machine Design <i>Ph. Bryant</i>	Non-linear effects lecture <i>Y. Papaphilippou</i>
10:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:15	Synchrotron Radiation lecture <i>R. Bartolini</i>	Synchrotron Radiation lecture <i>R. Bartolini</i>	Linear imperfections lecture <i>H. Bartosik</i>	Mini-workshop Machine Design <i>Ph. Bryant</i>	Non-linear effects lecture <i>Y. Papaphilippou</i>
11:15	Synchrotron Radiation tutorial <i>R. Bartolini</i>	Synchrotron Radiation tutorial <i>R. Bartolini</i>	Linear imperfections lecture <i>H. Bartosik</i>	Mini-workshop Machine Design <i>Ph. Bryant</i>	Non-linear effects lecture <i>Y. Papaphilippou</i>
12:15	WELCOME LUNCH OFFERED BY ESI	BREAK	BREAK	BREAK	BREAK
14:00	Synchrotron Radiation lecture <i>R. Bartolini</i>	Synchrotron Radiation lecture <i>R. Bartolini</i>	Linear imperfections lecture <i>H. Bartosik</i>	Mini-workshop Machine Design <i>R. Bartolini</i>	Non-linear effects lecture <i>Y. Papaphilippou</i>
15:00	Synchrotron Radiation lecture <i>R. Bartolini</i>	Synchrotron Radiation lecture <i>R. Bartolini</i>	Linear imperfections lecture <i>H. Bartosik</i>	Mini-workshop Machine Design <i>R. Bartolini</i>	Presentation of Accelerator Design <i>Students + P. Bryant</i>
16:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
16:15	Synchrotron Radiation lecture <i>R. Bartolini</i>	Synchrotron Radiation tutorial <i>R. Bartolini</i>	Linear imperfections tutorial <i>H. Bartosik</i>	Mini-workshop Machine Design <i>R. Bartolini</i>	Presentation of Light Source Design <i>Students + R. Bartolini</i>
17:15			Laser Plasma Acceleration Seminar <i>R. Assmann</i>		
18:15					

plan

9 lectures

part 1: synchrotron radiation ~ 5h

part 2: beam dynamics with synchrotron radiation ~ 4h

3 tutorials

based on the solutions of the exam sheets assigned in previous years

***** volunteers *** will be encouraged**

3+1h machine design

**the project consist in designing of an upgrade of a storage ring
light from a second generation to a third generation light sources
working groups of 5-6 people**

1-2 * volunteers *** will report on Friday afternoon**