Week	Day	Date	Time	Lecture	Lecturer	Lecture location	Comments
45	Monday	4.11	09.30-10.00	Administrative information	ML	BN lecture room	
			10.00-12.00	Introduction and tutorial	JMF	BN lecture room & computer room	
	Tuesday	5.11	09.00-12.00	Photon interactions (Photoelectric effect. Compton effect. Coherent scattering. Pair production)	JMF	BN lecture room	
	Wednesday	6.11	09.00-12.00	Photon interactions (Photoelectric effect. Compton effect. Coherent scattering. Pair production)	JMF	BN lecture room	
			13.00 -14.00	Examples / Small exercises	JMF	BN lecture room	
	Thursday	7.11	09.00-12.00	Photon interactions (Photoelectric effect. Compton effect. Coherent scattering. Pair production). The attenuation equation	JMF	BN lecture room	
	Friday	8.11	09.00-12.00	Exercises on photons	JMF	BN lecture room	
46	Monday	11.11	09.00-12.00	Exercises on photons	JMF	BN lecture room	
			13.00-15.00	***Extra lecture (if needed)***	JMF	BN lecture room	
	Tuesday	12.11	09.00-12.00	Exercises on photons	JMF	BN lecture room	
	Wednesday	13.11	**09.00-12.00**	**Seminar B**	**JMF**	BN lecture room	**Compulsory**
			13.00- 17.00	**Seminar B**	**JMF**	BN lecture room	**Compulsory**
	Thursday	14.11	09.00-12.00	Interactions of charged particles. Elastic scattering	JMF	BN lecture room	
			13.00-15.00	***Extra lecture (if needed)***	JMF	BN lecture room	
	Friday	15.11	09.00-12.00	Interactions of charged particles. Inelastic scattering	JMF	BN lecture room	
			13.00 -13.30	*Kursforum discussion among students*	*Only students*	BN lecture room	
			13.30 - 16.00	Examples / Small exercises	JMF	BN lecture room	
47	Monday	18.11	09.00-12.00	Interaction of charged particles. Bremsstrahlung emission	JMF	BN lecture room	
			13.00 - 15.00	Examples / Small exercises	JMF	BN lecture room	
	Tuesday	19.11	09.00-12.00	Positron annihilation. Range relation for charged particles	JMF	BN lecture room	
			12.30-13.00	*Kursforum discussion with course coordinator*	*ML, student representatives*	ML office	
			13.00-16.00	Neutron interactions	ML	BN lecture room	
	Wednesday	20.11	09.00-12.00	Exercises on charged particles	JMF	BN lecture room	
			13.00 - 15.00	***Preparation on lab report writing (NOTE: read the lab report instructions before coming to class!)***	**SK, WH**	**BN lecture room**	
	Thursday	21.11	09.00-12.00	Exercises on charged particles	JMF	BN lecture room	
			13.00-16.00	Exercises on charged particles	JMF	BN lecture room	
	Friday	22.11	09.00-12.00	The Monte Carlo method - theory and applications	JMF	BN lecture room	
			13.00-15.00	Photonuclear reactions	ML	BN lecture room	
			15.00- 17.00	The Monte Carlo method - theory and applications (continuation) [time may be extended to 18.00, if needed]	JMF	BN lecture room	
48	Monday	25.11	**09.00-12.00**	**Seminar A**	**JMF**	BN lecture room	**Compulsory**
			13.00- 17.00	**Seminar A**	**JMF**	BN lecture room	**Compulsory**
	Tuesday	26.11	09.00-12.00	Lab alpha Group 1	WH	Albanova	**Compulsory**
			13.00-16.00	Lab alpha Group 2	WH	Albanova	**Compulsory**
	Wednesday	27.11	09.00-12.00	Lab alpha Group 3	WH	Albanova	**Compulsory**
			13.00-16.00	Lab alpha Group 4	WH	Albanova	**Compulsory**
	Thursday	28.11	09.00-12.00	Lab alpha Group 5	WH	Albanova	**Compulsory**
			13.00-16.00	*Lab alpha Group 6 (if needed)*	WH	Albanova	**Compulsory**

	Friday	29.11	**09.00-12.00**	**Seminar C**	**JMF**	BN lecture room	**Compulsory**
			13.00- 17.00	**Seminar C**	**JMF**	BN lecture room	**Compulsory**
49	Monday	2.12	09.00-17.00	Lab beta Group 1 ; Lab gamma Group 5	SK	Albanova	**Compulsory**
	Tuesday	3.12	09.00-17.00	Lab beta Group 2 ; Lab gamma Group 3	SK	Albanova	**Compulsory**
	Wednesday	4.12	09.00-17.00	Lab beta Group 3 ; Lab gamma Group 4	SK	Albanova	**Compulsory**
	Thursday	5.12	09.00-17.00	Lab beta Group 4 ; Lab gamma Group 2	SK	Albanova	**Compulsory**
	Friday	6.12	09.00-17.00	Lab beta Group 5 ; Lab gamma Group 1	SK	Albanova	**Compulsory**
50	Monday	9.12	09.00-12.00	General discussion	JMF	BN lecture room	
	Tuesday	10.12		*Day free for studying*			
	Wednesday	**11.12**	**10.00-15.00**	**EXAM**		**BN lecture room & MSF library**	

ML *Marta Lazzeroni*
JMF *Jose Maria Fernandez-Varea*
WH *Wille Häger*
SK *Suryakant Kaushik*