Tentative Schedule for the IAEA Workshop
Adriatico Guesthouse, ICTP, Trieste, Italy
Oct 17 – 28, 2011

Monday, Oct 17

Time	What	Title	Lecturer
8:00		Registration for those not registering Sunday: Office #4 Adriatico Guest House	
10:15	L0	Intro to course and presentation of lecturers	RC
10:30	L1	Brief history of Monte Carlo&EGS/BEAM	DR
11:15	L2	Intro to Monte Carlo	FT
12:15		LUNCH	
13:30	L3	What's in an EGSnrc user code	EMH
14:30	Lab I	Running `tutor1, 2, 2pp`	[EMH]
16:00		Coffee	
16:30	L4	Photon Physics	FT
17:30	L5	Physics of AE & AP	DR

Tuesday Oct 18

Time	What	Title	Lecturer
9:00	L6	Creating PEGS4 data sets& using `examin`	EMH
9:30	Lab II	Creating and examining PEGS4 data sets	[EMH]
10:30		Coffee	
11:00	L7	Statistics	DR
11:30	Lab III	Statistics	[DR]
12:30		LUNCH	
14:30	L8	EGSnrc's RZ user codes	JS
15:30	L9	Source routines in RZ user codes	JS
16:00		Coffee	
16:30	Lab IV	Running RZ user-codes	[JS-DR]
18:00		end of day	

Wednesday, Oct 19

Time	What	Title	Lecturer
9:00	L10	Electron Physics	IK
10:30		Coffee	
11:00	L11	Monte Carlo transport parameters	DR
11:45	Lab V	Running `tutor6, 7, 7pp`	[DR]
12:30		LUNCH	
14:30	Lab V	(cont)	
15:30		Report back on Lab V	[IK,DR]
16:00		Coffee	
16:30	L12	Geometry definition: HOWFAR and HOWNEAR	FT
17:00	L13	C++ geometry package	IK
18:00		end of day	

Thursday, Oct 20

Time	What	Title	Lecturer
9:00	Lab VI	Creating geometries using EGS++ and examine with egs_view	[IK-JW]
10:30		Coffee	
11:00	L14	C++ sources	JW
11:45	L15	AUSGAB and scoring	EMH
12:30		LUNCH	
14:30	L16	EGS++ user-codes, `cavity, egs_chamber`	JW
16:00		Coffee	
16:30	Lab VII	Running the `cavity` user code	[JW -EMH]
18:00		end of day	

Friday, Oct 21

Time	What	Title	Lecturer
9:00	Lab VIII	Running the `egs_chamber` user code	[JW-FT]
10:30		Coffee	
11:00	L17	Variance reduction	IK
12:00	L18	VMC++	IK
12:30		LUNCH	
14:30	Lab IX	Variance reduction	[IK-JW-DR]
16:00		Coffee	
16:30		Report back on Lab IX	[IK/JW/JS]
17:30		end of day/week	

==========WEEK 2==========

Monday, Oct 24

Time	What	Title	Lecturer
9:00	L19	Doing it with BEAMnrc	DR
10:30		Coffee	
11:00	Lab X	Run BEAMnrc examples	[DR]
12:30		LUNCH	
14:30	L20	Overview and Design of BEAM	DR
15:30	L21	Inputs to main BEAMnrc	BW
16:00		Coffee	
16:30	L22	The CMs, their capabilities and inputs	BW
17:30		end of day	

Tuesday, Oct 25

Time	What	Title	Lecturer
9:00	Lab XI	Create own accelerators	[DR]
10:30		Coffee	
11:00		Lab XI continued	[DR-EMH]
11:45	L23	Phase-Space Files: what they are, how to read/write	BW
12:30		LUNCH	
14:30	L24	BEAMDP	EMH or FT
15:00	L25	Parameter selection in BEAMnrc (AE,ECUT,BCA etc)	DR
16:00		Coffee	
16:30	Lab XII	BEAMDP for analysis	[DR]
18:00		end of day	

Wednesday, Oct 26

Time	What	Title	Lecturer
9:00	L26	Variance Reduction in BEAMnrc	DR
10:30		Coffee	
11:00	L27	Statistics in BEAMnrc	BW
11:15	Lab XIII	Investigating Variance Reduction in BEAMnrc	[DR-EMH]
12:30		LUNCH	
14:30		Lab XIII continues	
16:00		Coffee	
16:30		Report back on Lab XIII	
17:30		end of day	

Thursday, Oct 27

Time	What	Title	Lecturer
9:00	L28	DOSXYZnrc stand-alone dose calculations: STATDOSE, DOSXYZ_show	BW
10:00	L29	DOSXYZnrc with CT input	BW
10:30		Coffee	
11:00	Lab XIV	Dose calns in phantoms	[BW-FT]
12:30		LUNCH	
14:30		Lab XIV continues	
16:00		Coffee	
15:00	L30	Beam characterization models	DR
16:00		Coffee	
16:30	Lab XV	Using BEAMDP multi-source models	[DR-EMH]
18:00		end of day	

Friday, Oct 28

Time	What	Title	Lecturer
9:00	L31	Installation of EGS&BEAM + Web-page	EMH
9:30	L32	Status of EGSnrc/recent changes	FT
10:00	Lab XVI	Practice Install	[EMH-FT]
10:30		Coffee	
11:00		Lab XVI continues	
11:45	L33	Estimating systematic uncertainties	DR
12:30		LUNCH	
14:30	L34	BrachyDose: fast brachytherapy dose calculations	DR
15:00	L35	egs_FAC and egs_CBCT user codes	EMH
16:00		Coffee	
16:30		Closing: end of course	RC