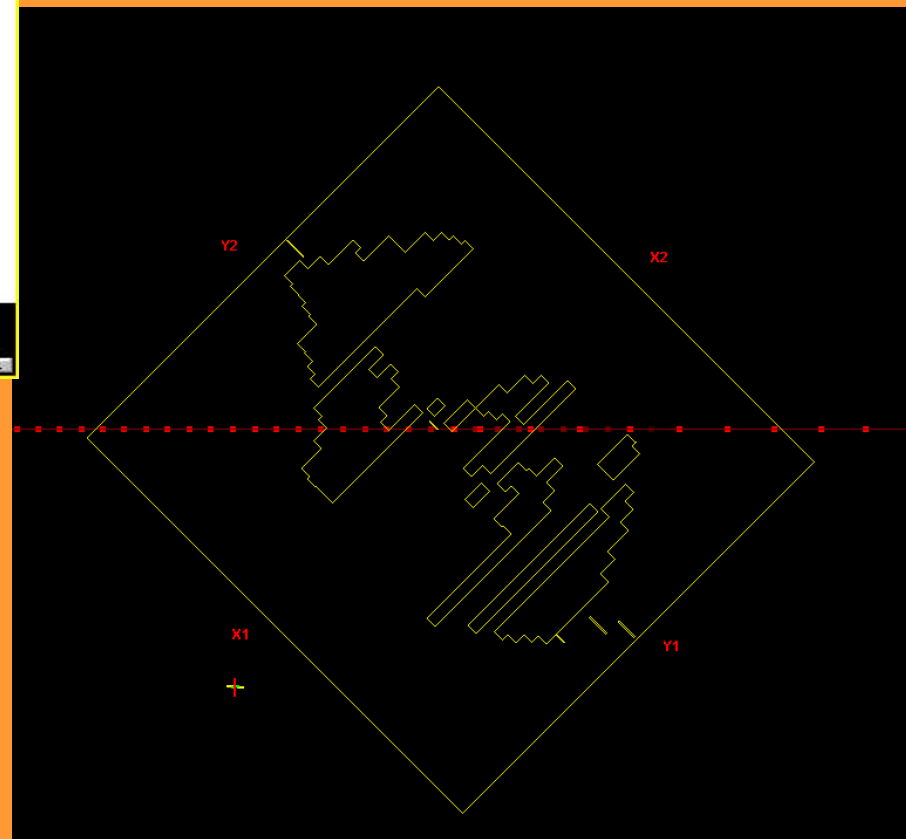
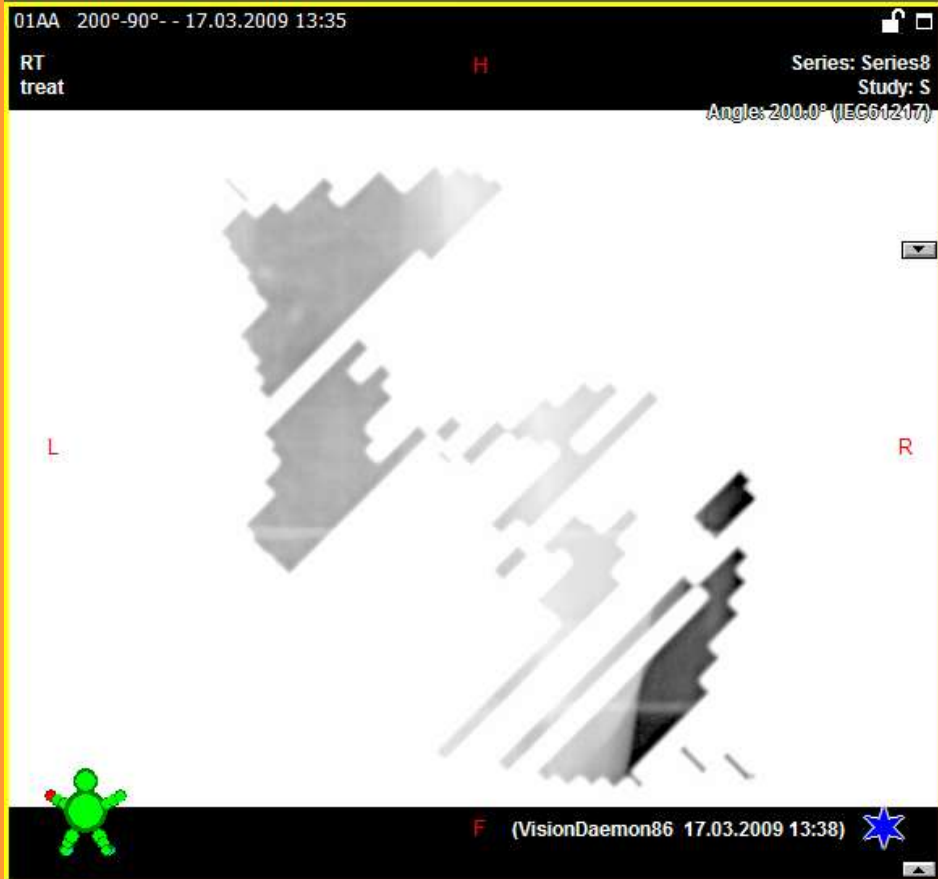
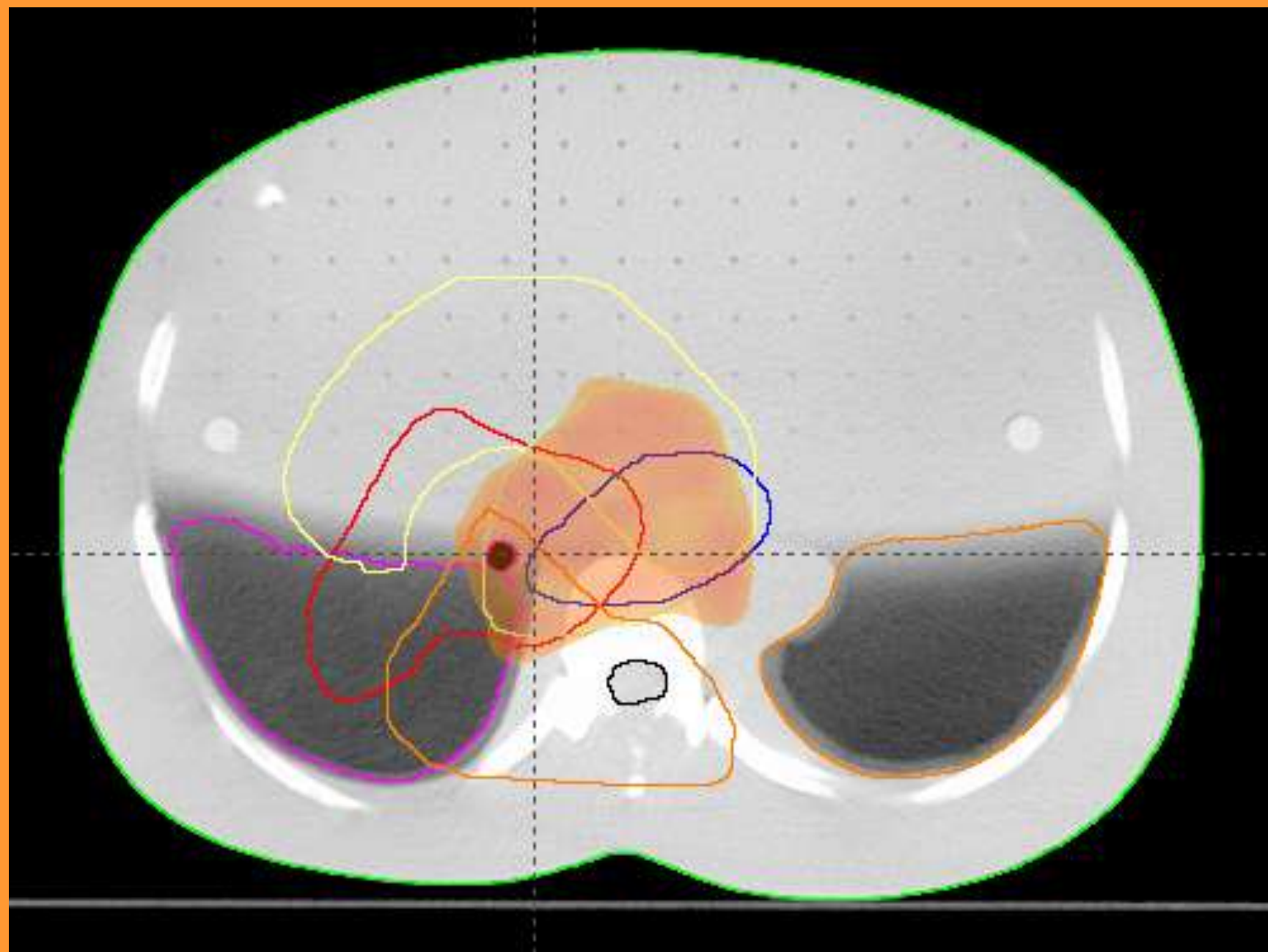
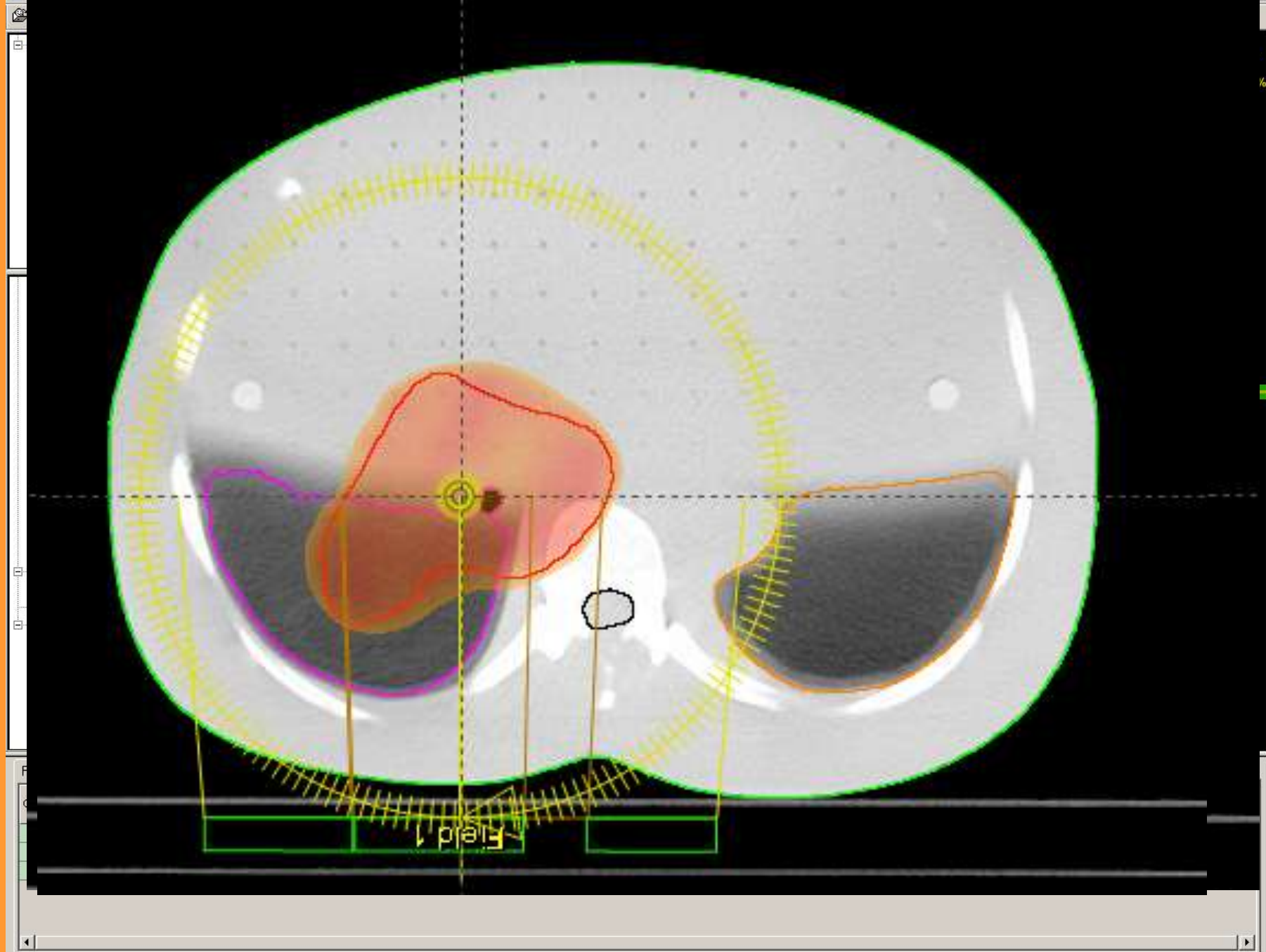




Einführung von RapidArc und erste Erfahrungen
in der täglichen Routine der Strahlentherapie
Nordhausen



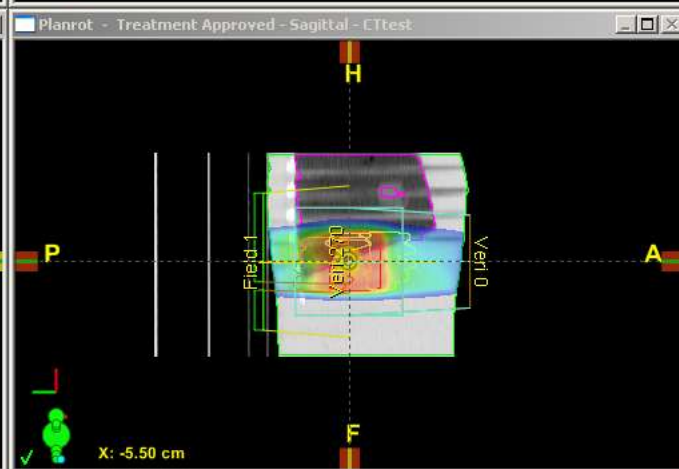
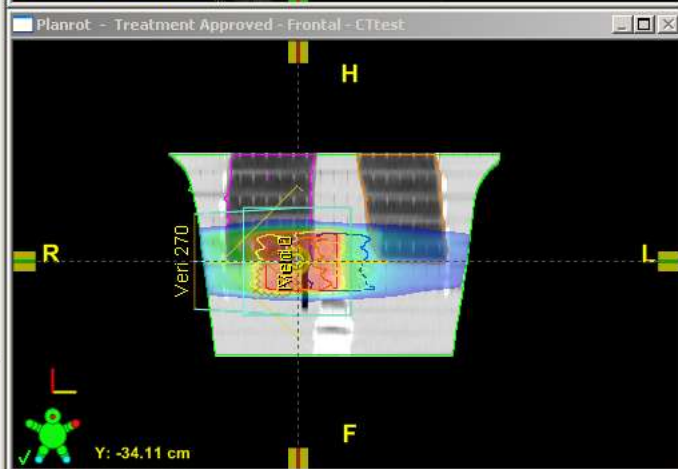
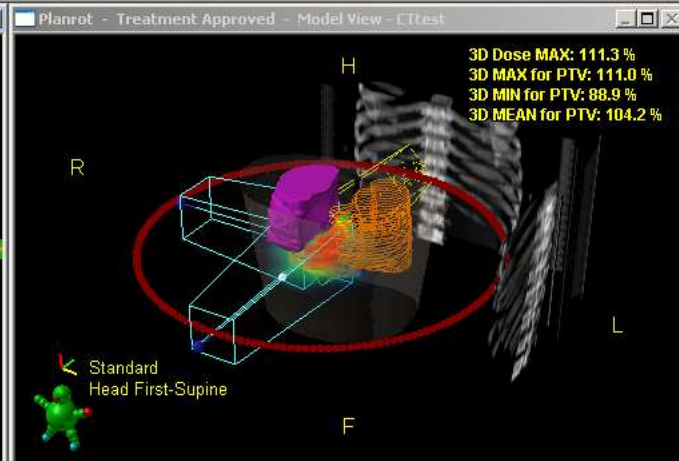
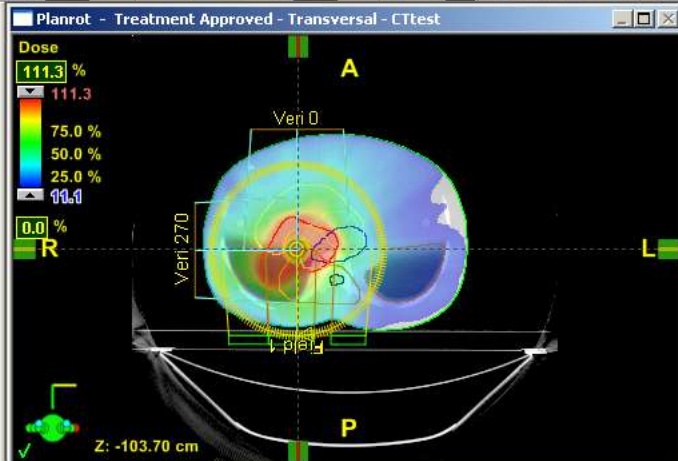






- 110703-AE00
- Test
 - Planrot
 - Plan2
 - Plan21av
 - Plan1av
 - Plangreen
 - Planblue
 - Plangelb
 - Planorange
 - Stehfeld
 - Planrot18
 - Stehfeld18
 - Stehfeld18P
 - Stehfeld1870
 - Stehfeld18P70
 - PF18P70
 - PF18P
 - PF18
 - PF1870
 - Planu
 - PlanAAASF
 - PlanPBSF
 - PlanAAASFalt
 - PlanAAAPFalt1
 - PlanAAAPF
 - PBPF
 - Plangreen1
 - PlanH
 - PlanH1
 - Skip

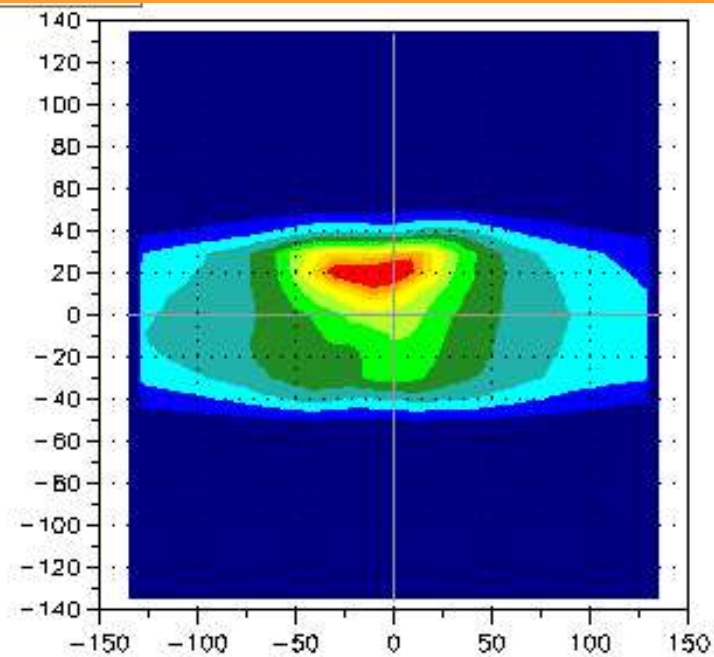
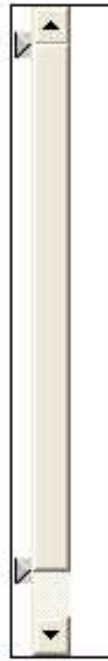
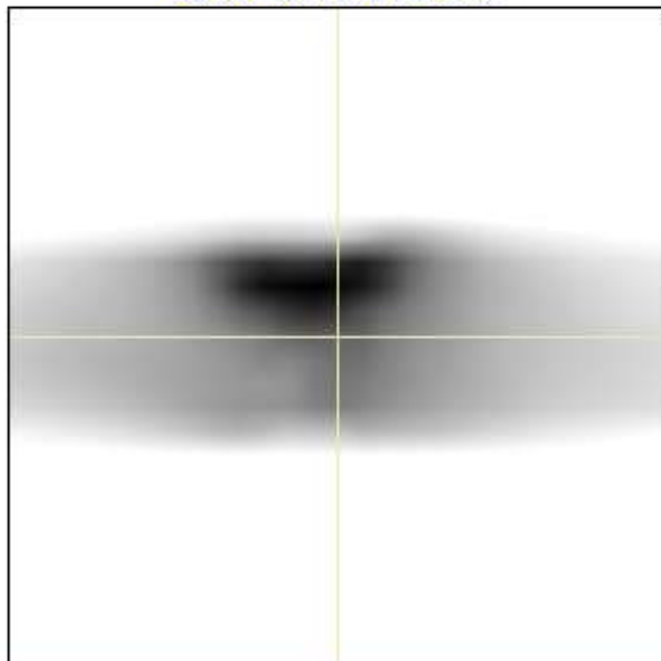
- Planrot
- CTtest
 - Registered Images
 - CTtest
 - body



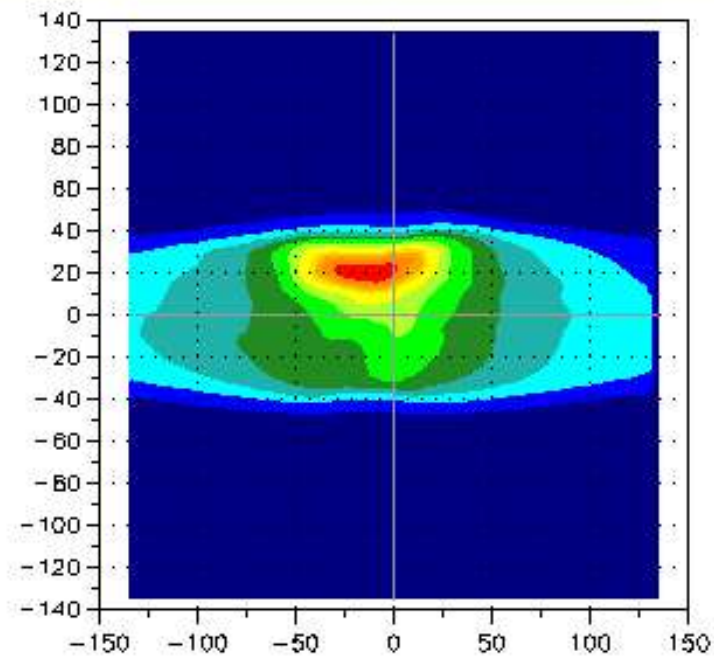
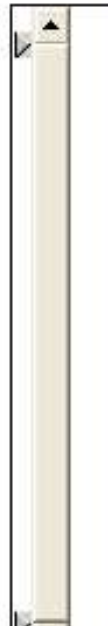
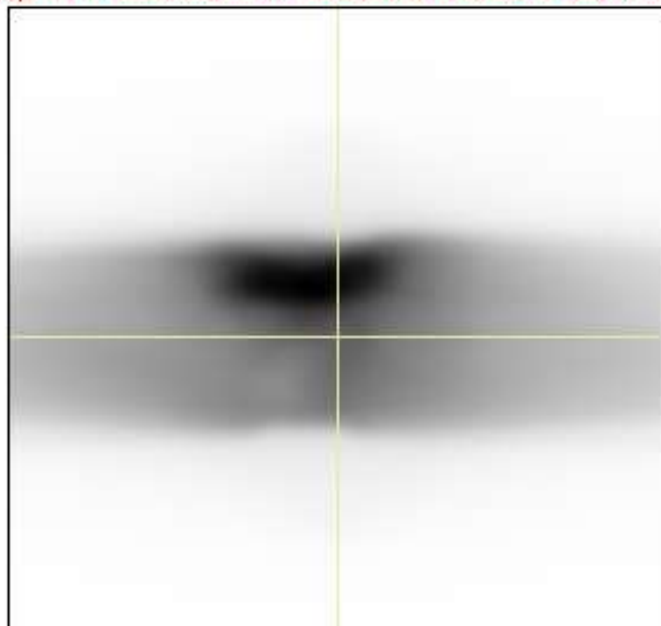
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Group	Field ID	Technique	Machine/Energy	MLC	Field Weight	Scale	Gantry Rtn [deg]	Coll Rtn [deg]	Couch Rtn [deg]	Wedge	Field X [cm]	X1 [cm]	X2 [cm]	Field Y [cm]	Y1 [cm]	Y2 [cm]	X [cm]	Y [cm]	Z [cm]	SSD [cm]	MU	Ref. D [Gy]
<input checked="" type="checkbox"/>	Veri 270	STATIC-I	Clinac1370 - 6X		0.00	Varian IEC	270.0	0.0	0.0	None	12.0	+6.0	+6.0	12.0	+6.0	+6.0	-5.5	-34.1	-103.7	89.5		
<input checked="" type="checkbox"/>	Veri 0	STATIC-I	Clinac1370 - 6X		0.00	Varian IEC	0.0	0.0	0.0	None	12.0	+6.0	+6.0	12.0	+6.0	+6.0	-5.5	-34.1	-103.7	87.4		
<input checked="" type="checkbox"/>	Field 1	ARC-I	Clinac1370 - 6X	Dose Dyn. Arc	1.00	Varian IEC	180.1	45.0	0.0	None	12.0	+6.0	+6.0	12.0	+6.0	+6.0	-5.5	-34.1	-103.7	91.4	347	

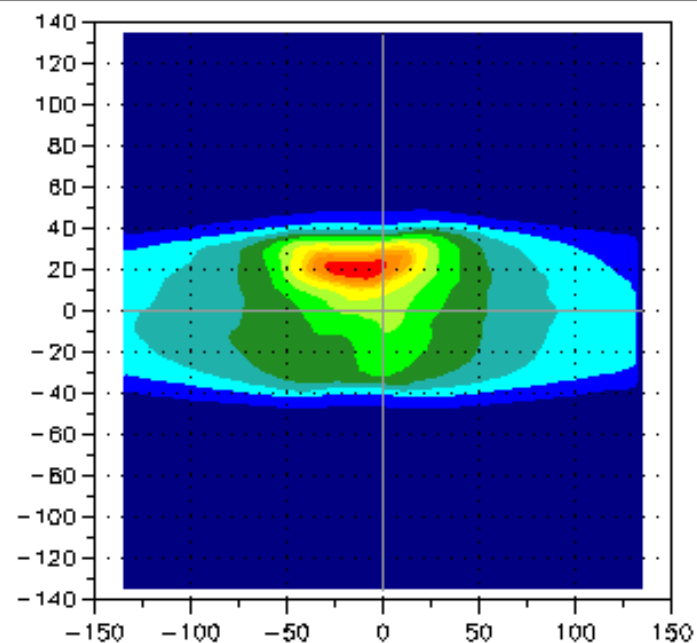
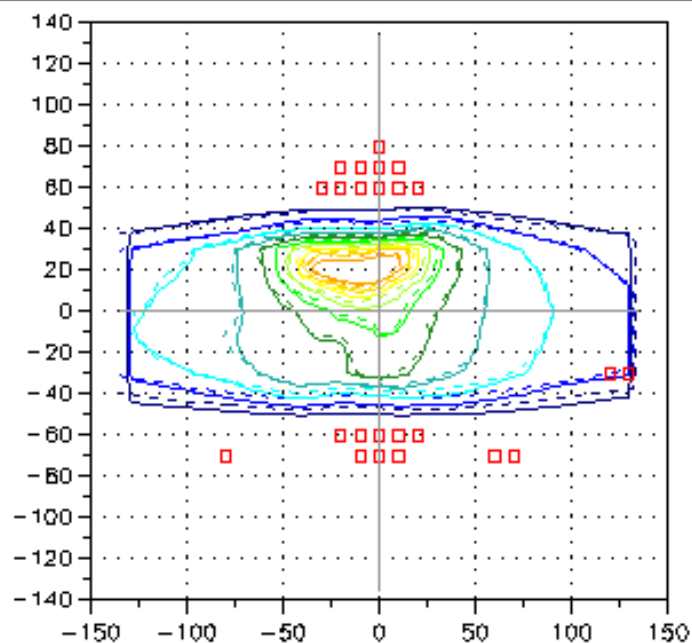
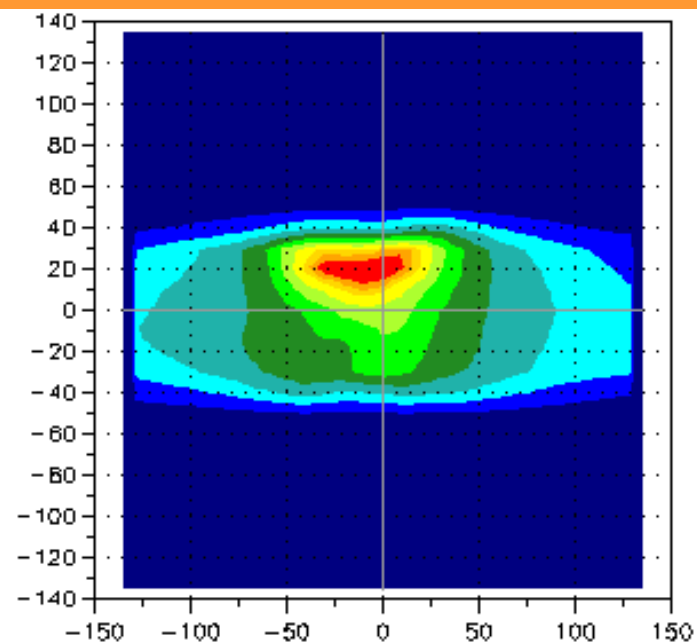
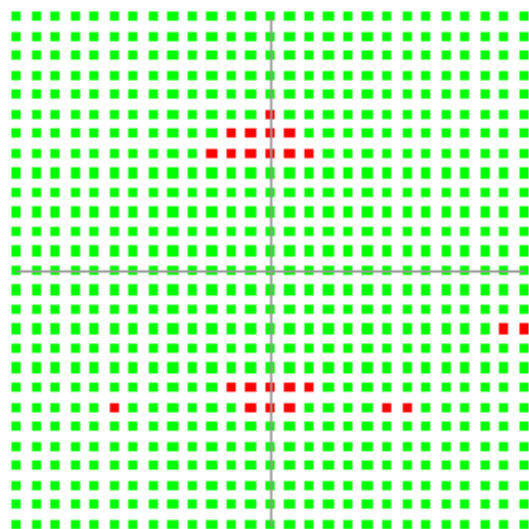


2D-ARRAY: hori 01.mcc

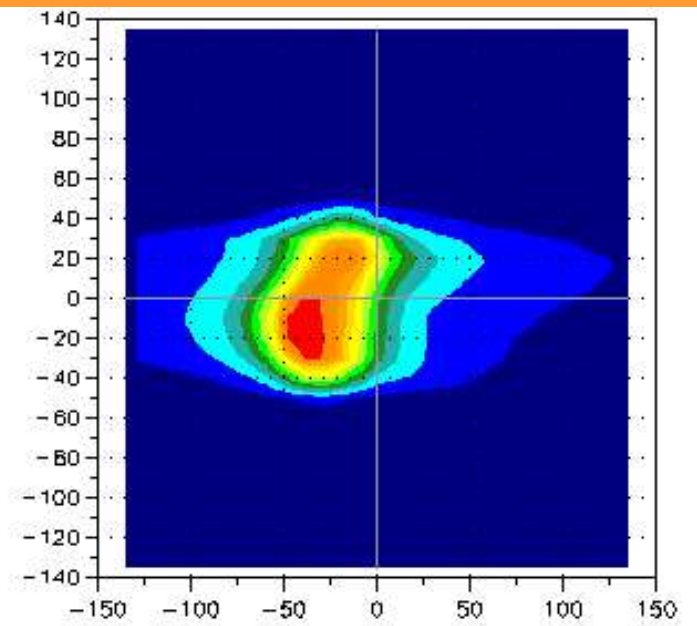
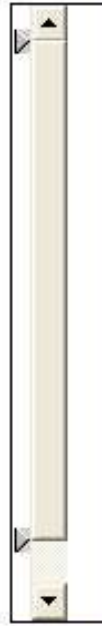
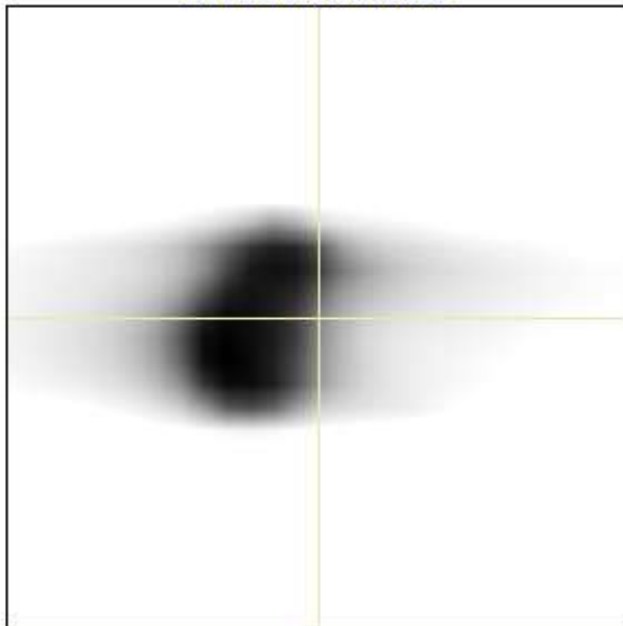


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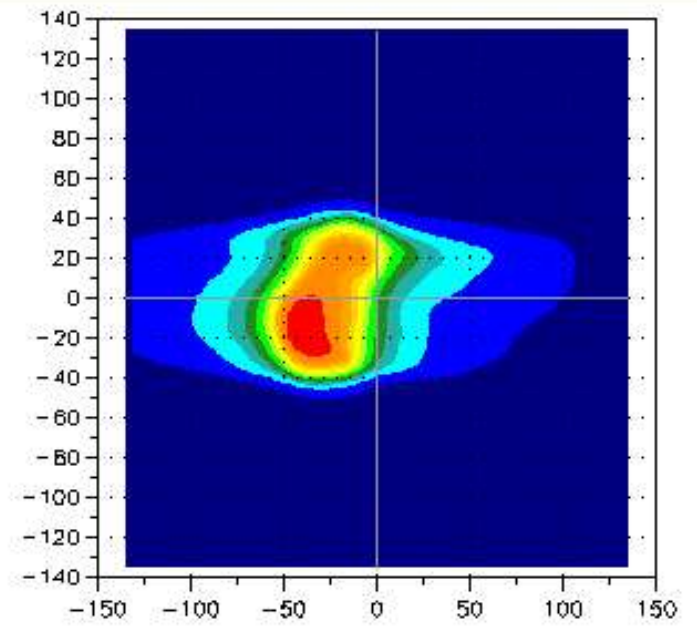
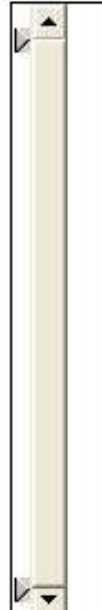
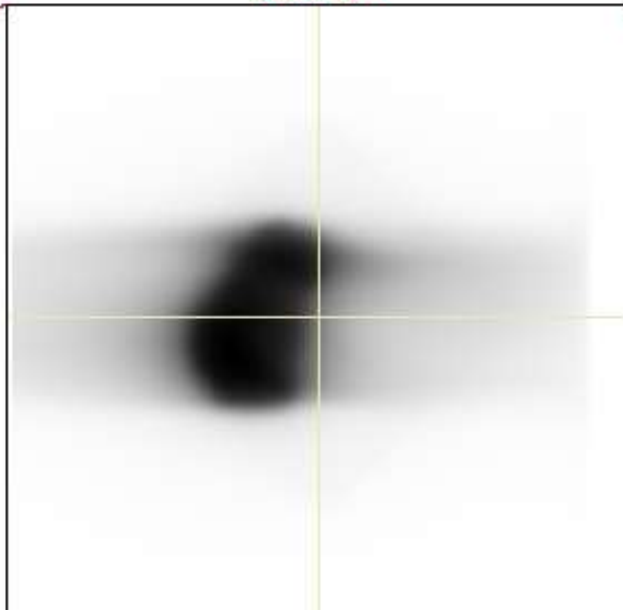


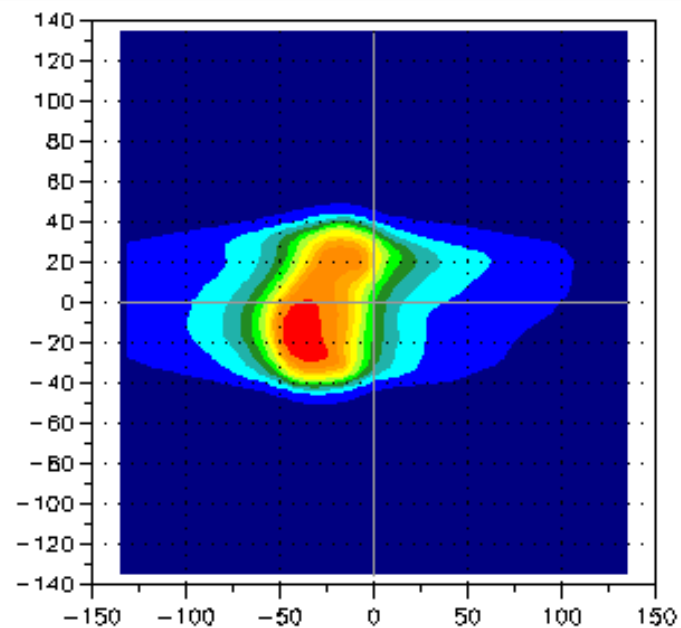
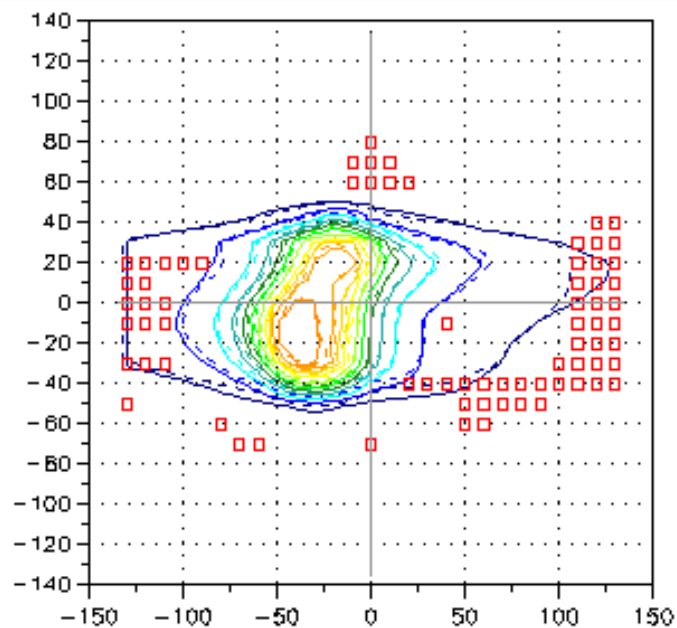
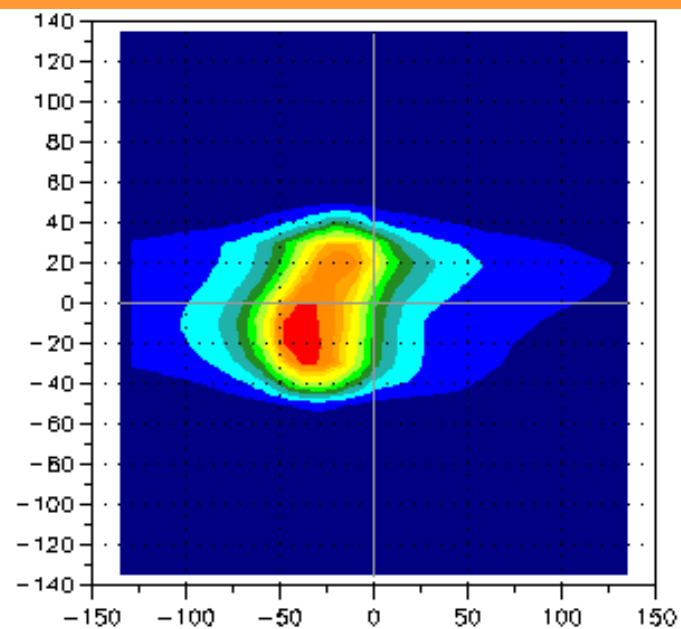


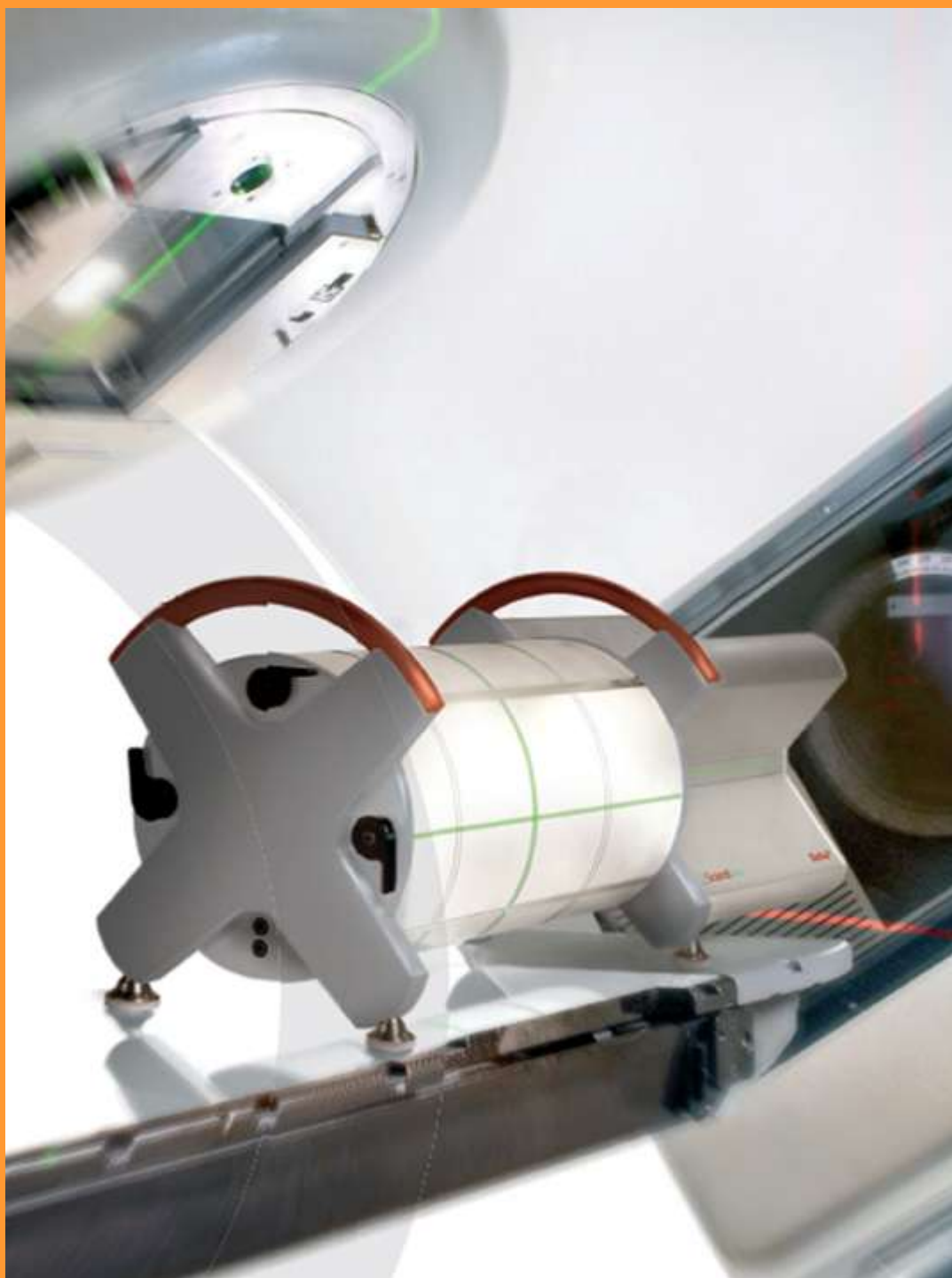
2D-ARRAY: verti 01.mcc

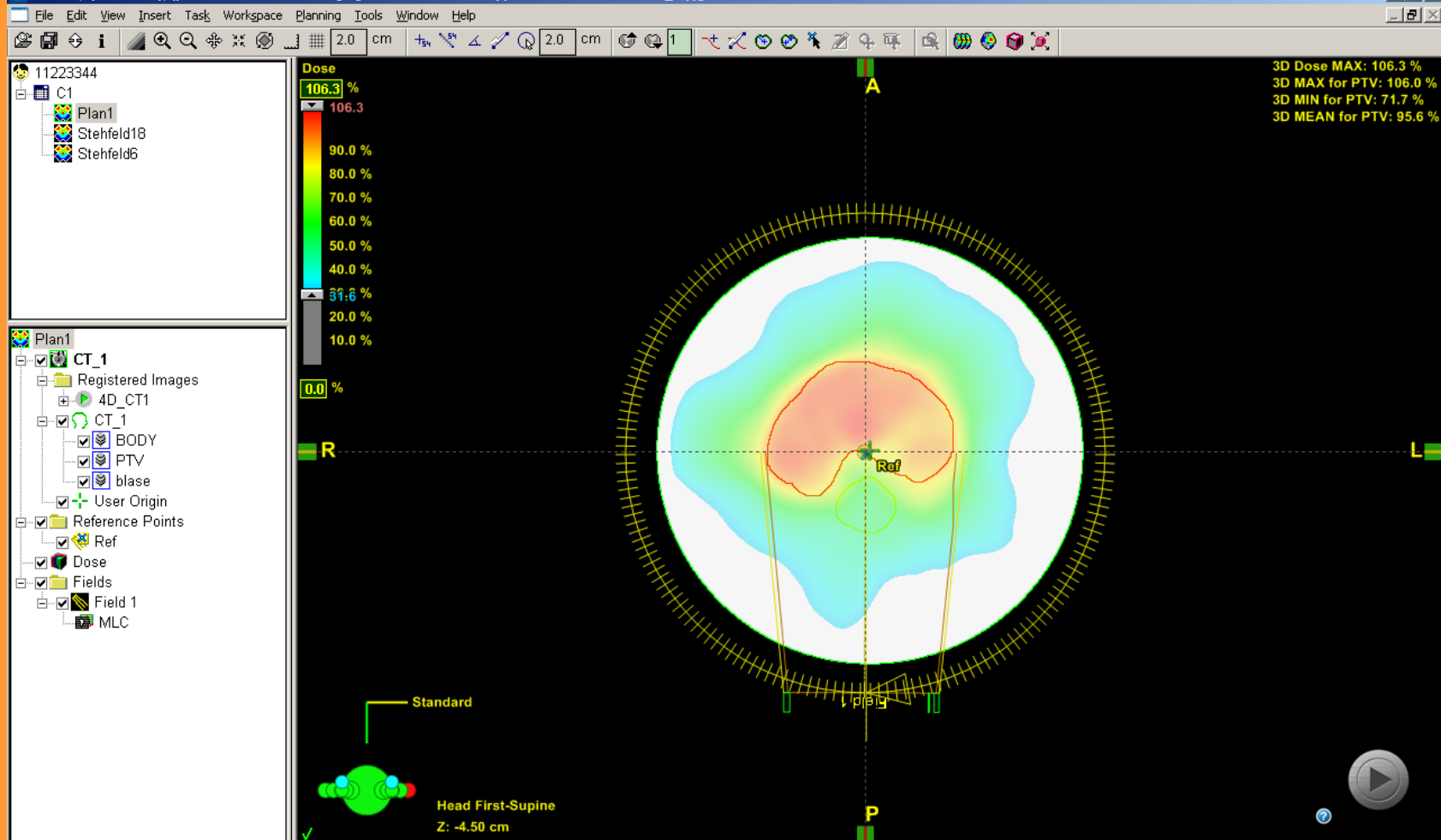


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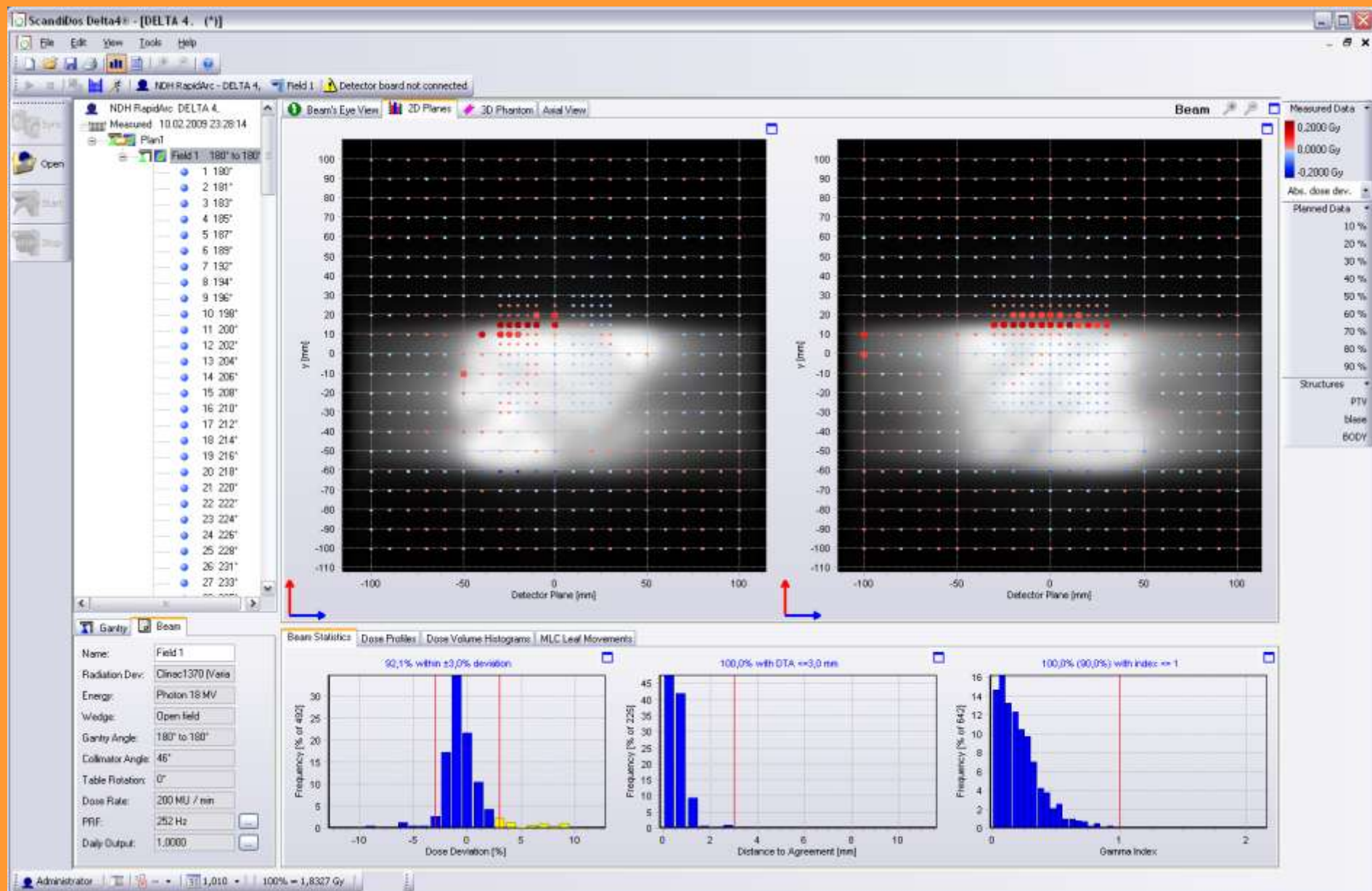




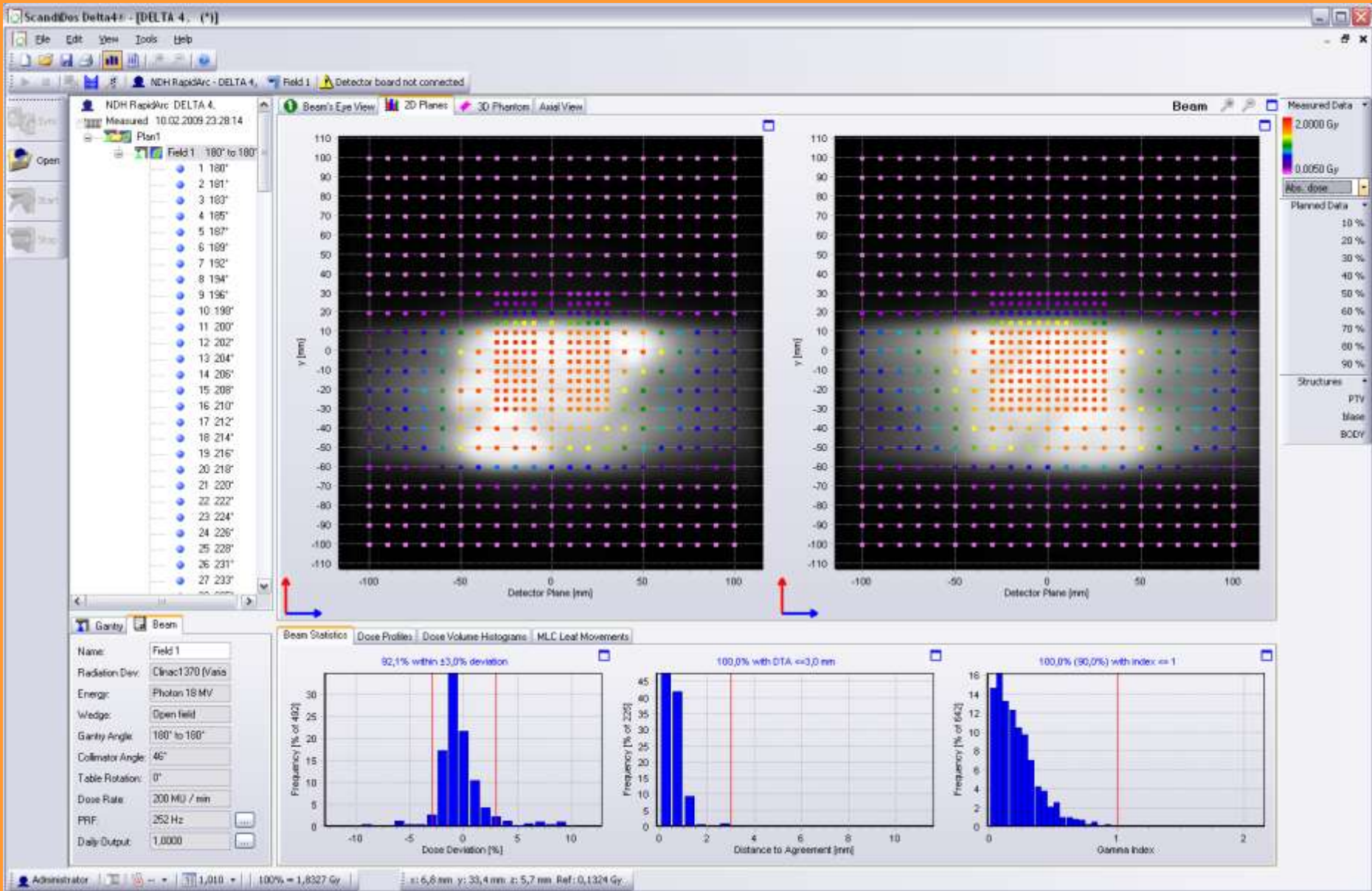




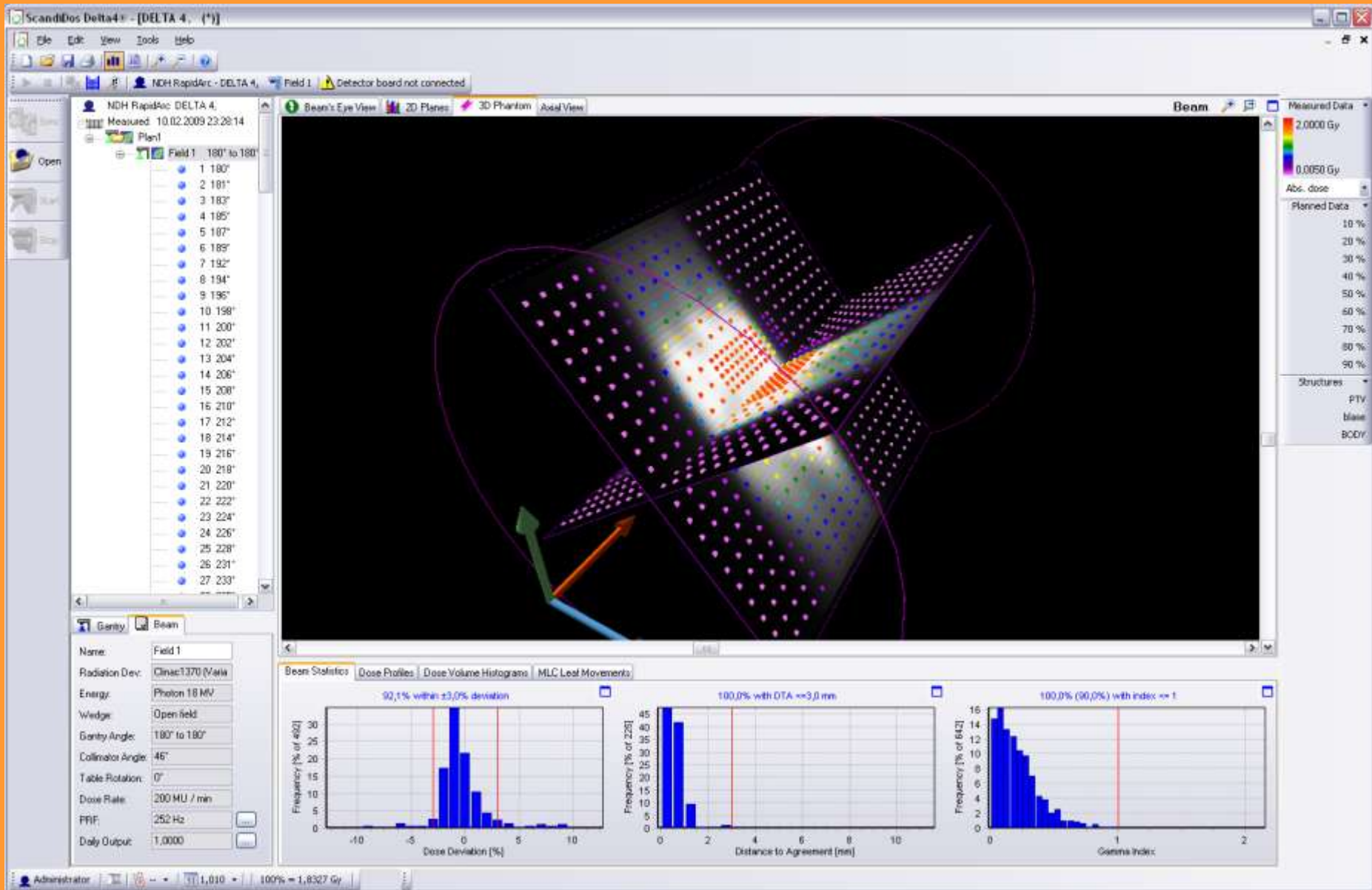
Fields	Dose Prescription			<input type="checkbox"/> Field Alignments	<input type="checkbox"/> Plan Objectives	<input type="checkbox"/> Optimization Objectives	Dose Statistics		Calculation Models		Plan Sum											
Group	Field ID	Technique	Machine/Energy	MLC	Field Weight	Scale	Gantry Rtn [deg]	Coll Rtn [deg]	Couch Rtn [deg]	Wedge	Field X [cm]	X1 [cm]	X2 [cm]	Field Y [cm]	Y1 [cm]	Y2 [cm]	X [cm]	Y [cm]	Z [cm]	SSD [cm]	MU	Ref. D [Gy]
<input checked="" type="checkbox"/>	Field 1	ARC-I	Clinac1370 - 18X	Dose Dyn. Arc	1.00	Varian IEC	180.2	46.2	0.0	None	12.2	+7.0	+5.2	11.7	+7.2	+4.5	-0.3	0.1	0.2	89.1	229	



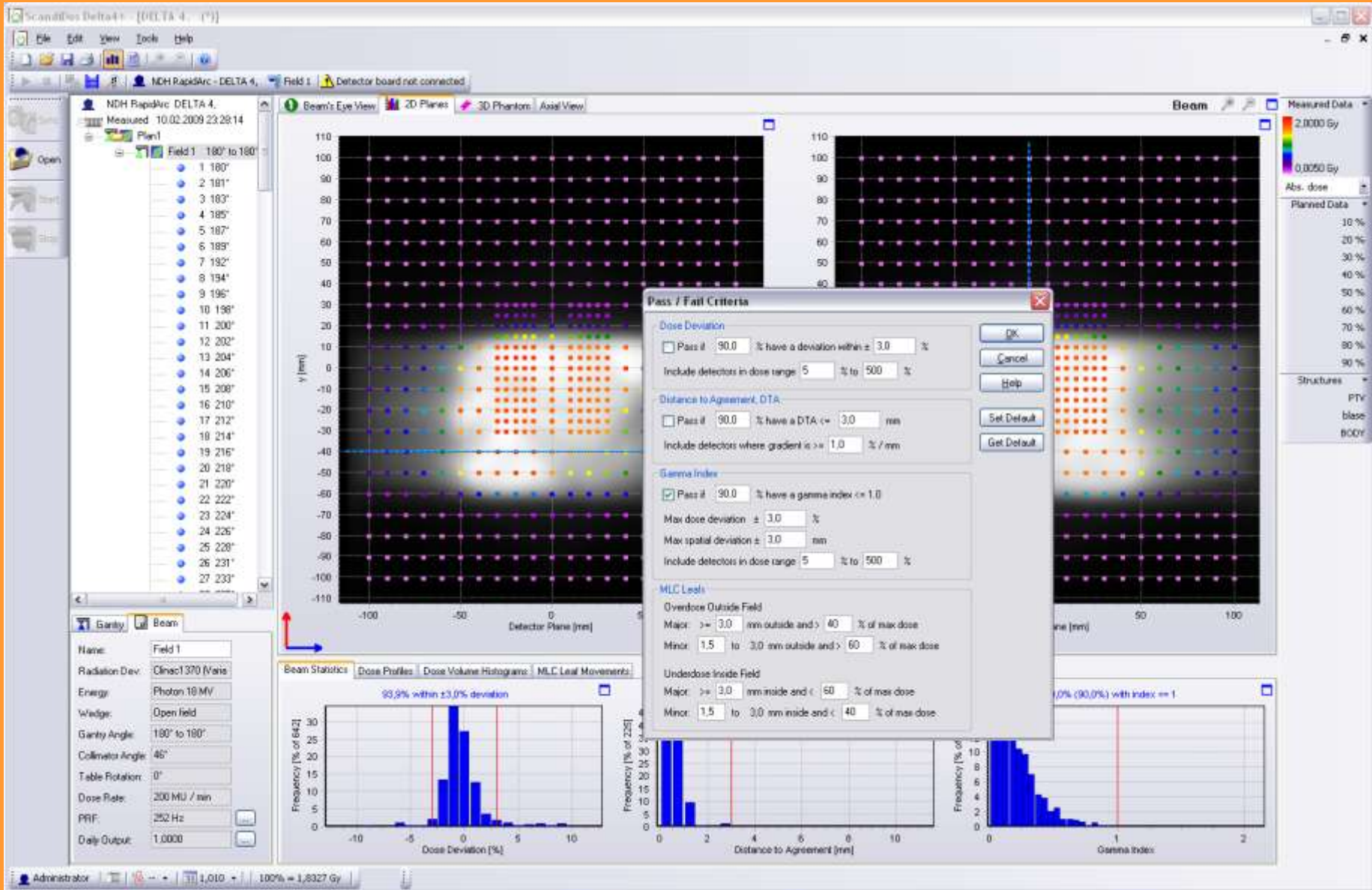
2D Bereiche Abweichungen

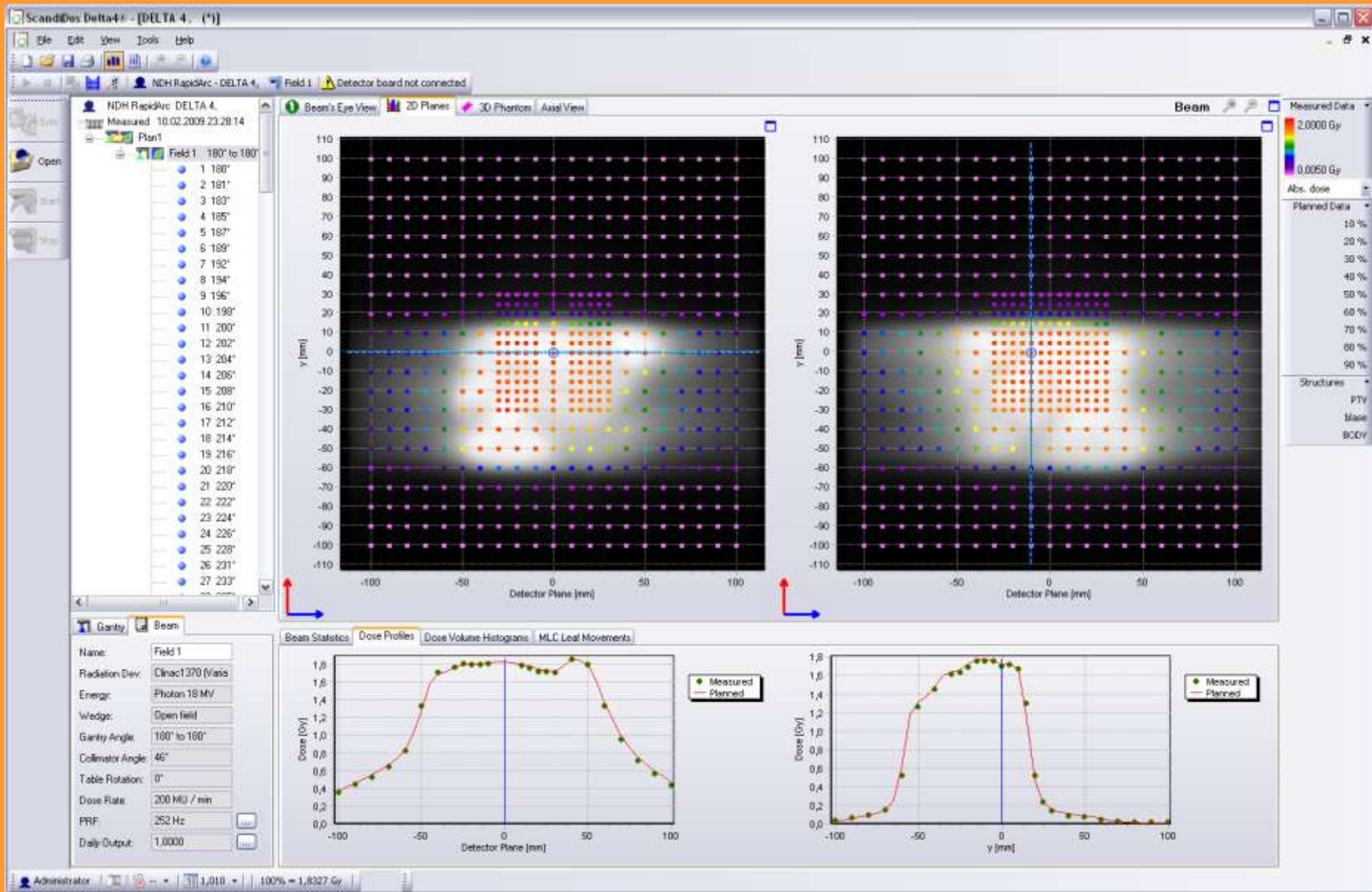


2D Bereiche Statistik

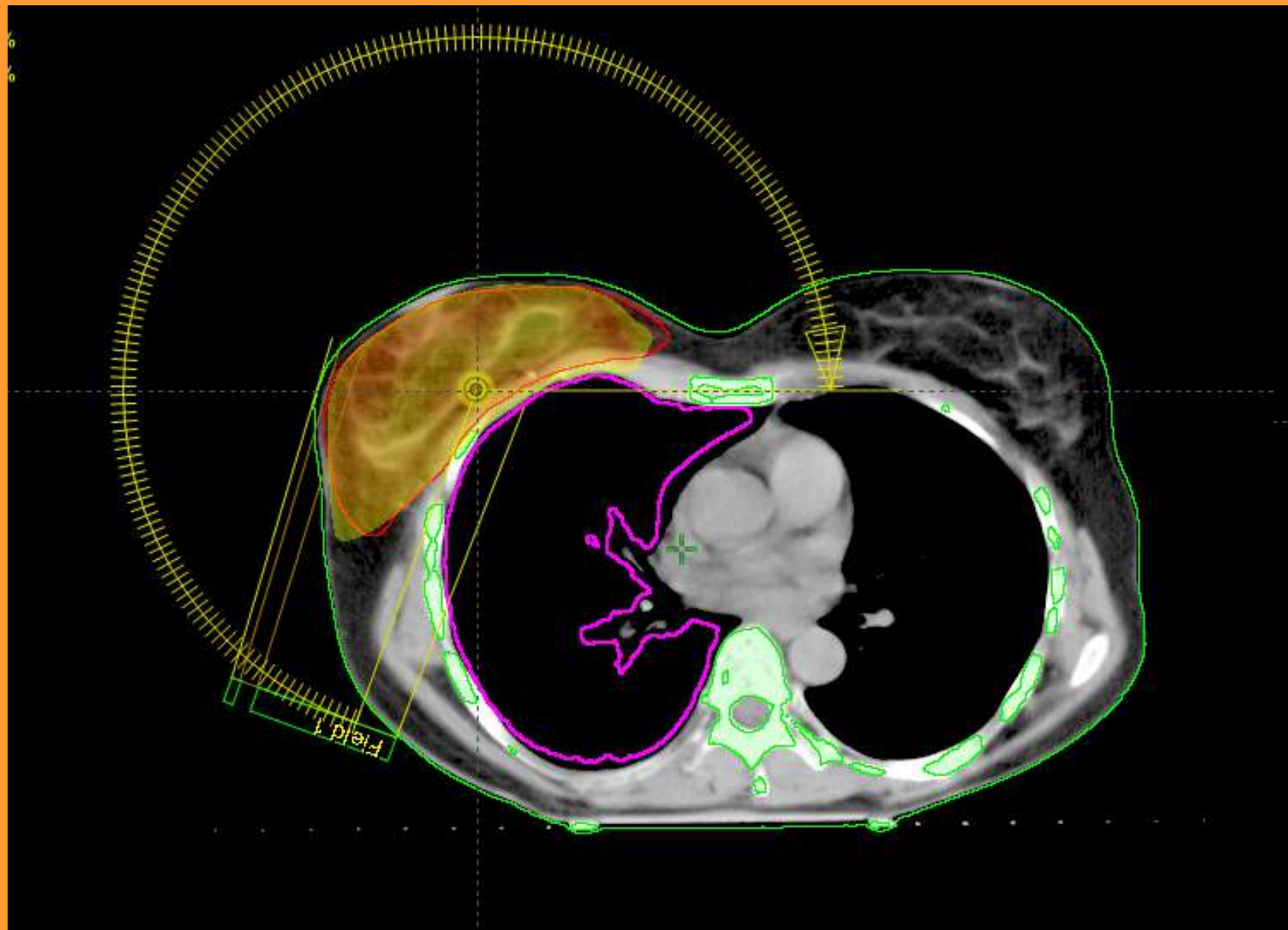


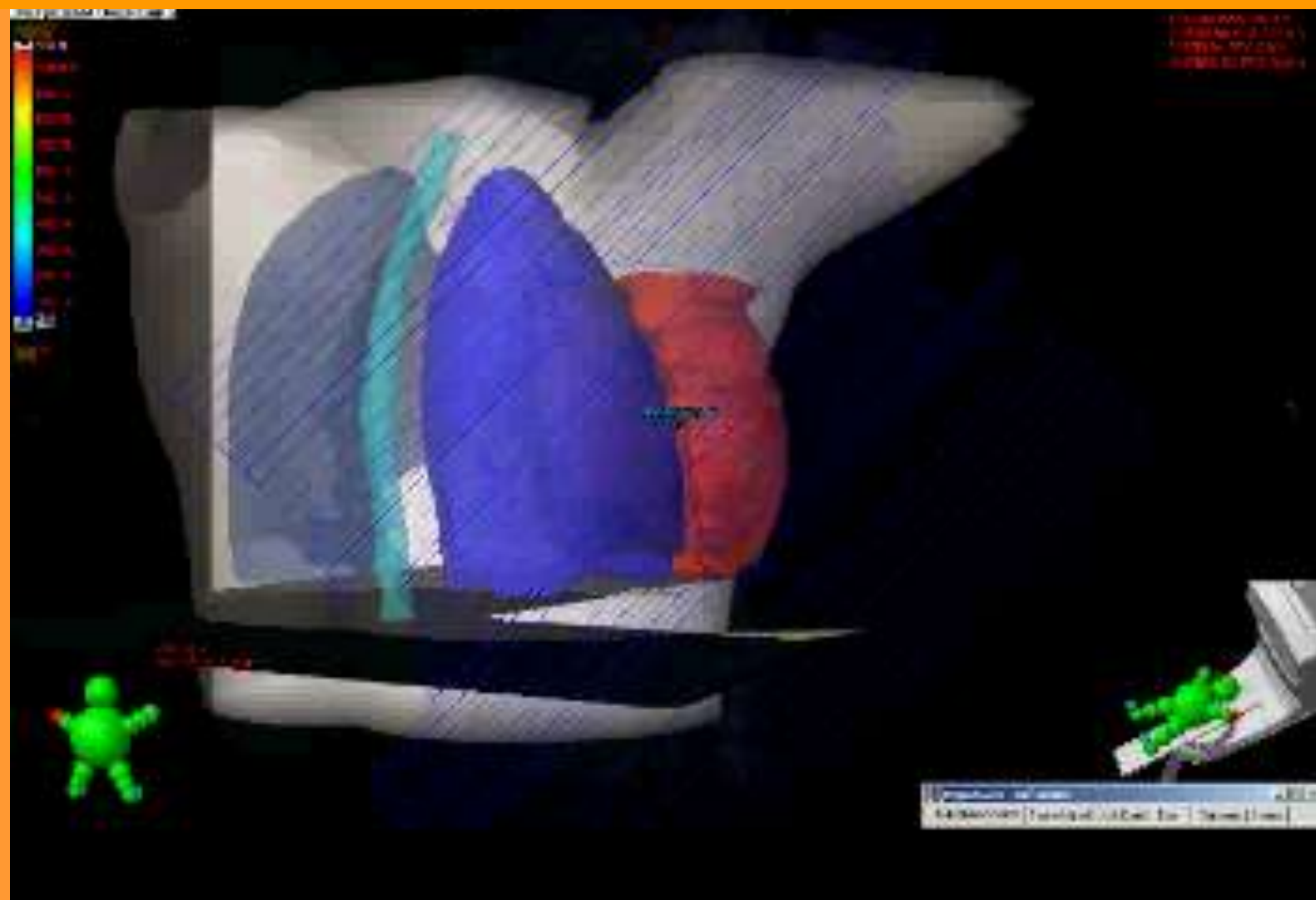
3D Model

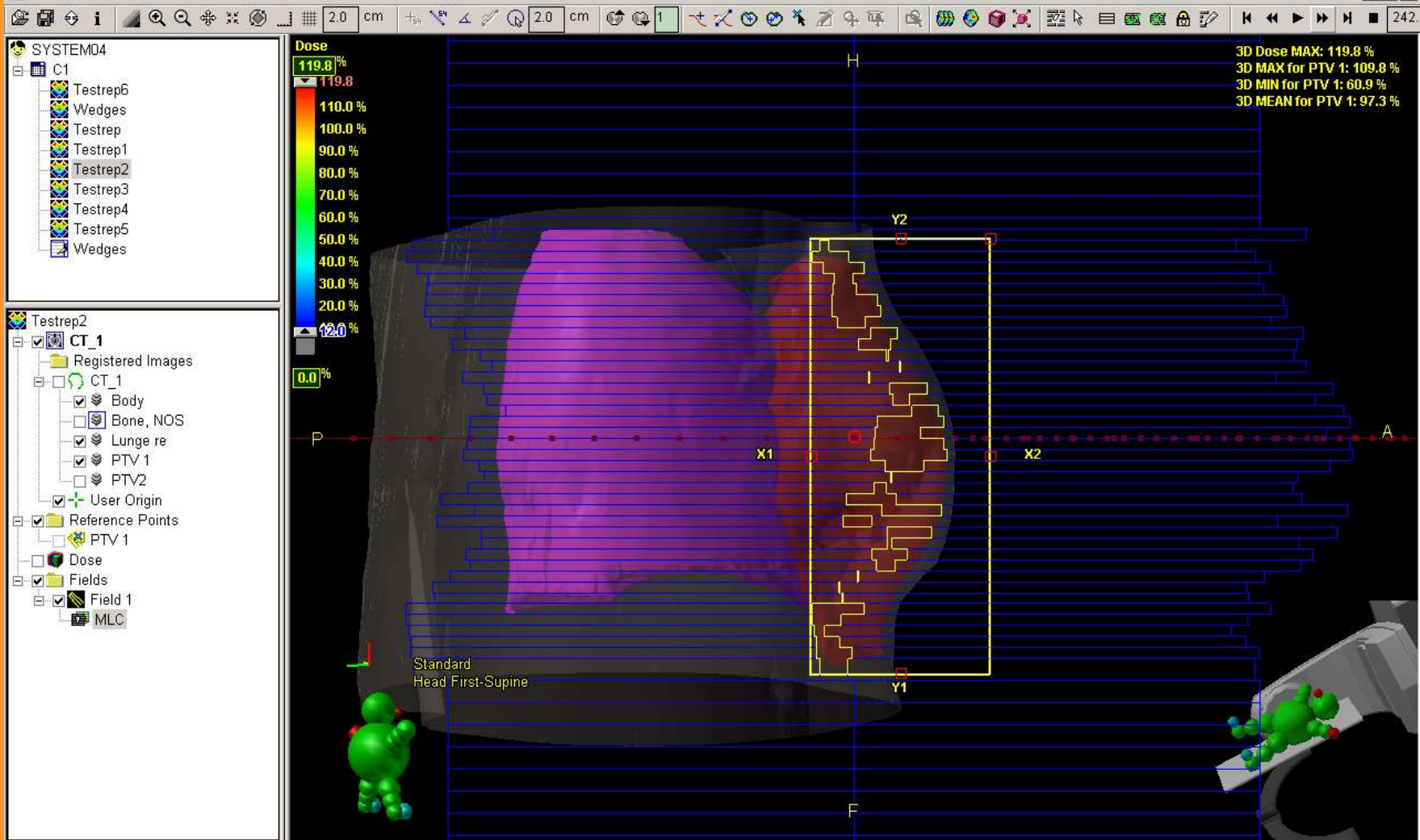




D4 Profile





Fields | Dose Prescription | ☐ Field Alignments | ☐ Plan Objectives | ☐ Optimization Objectives | Dose Statistics | Calculation Models | Plan Sum

Group	Field ID	Technique	Machine/Energy	MLC	Field Weight	Scale	Gantry Rtn [deg]	Coll Rtn [deg]	Couch Rtn [deg]	Wedge	Field X [cm]	X1 [cm]	X2 [cm]	Field Y [cm]	Y1 [cm]	Y2 [cm]	X [cm]	Y [cm]	Z [cm]	SSD [cm]	MU	Ref. D [Gy]
<input checked="" type="checkbox"/>	Field 1	ARC-I	Clinac 21EX-S - 6X	Dose Dyn. Arc	1.00	Varian IEC	200.0	0.0	0.0	None	8.2	+2.0	+6.2	19.8	+10.7	+9.1	-8.2	-6.4	-9.5	86.8	646	

SYSTEM04

- C1
 - Testrep6
 - Wedges
 - Testrep
 - Testrep1
 - Testrep2
 - Testrep3
 - Testrep4
 - Testrep5
 - Wedges

Testrep2

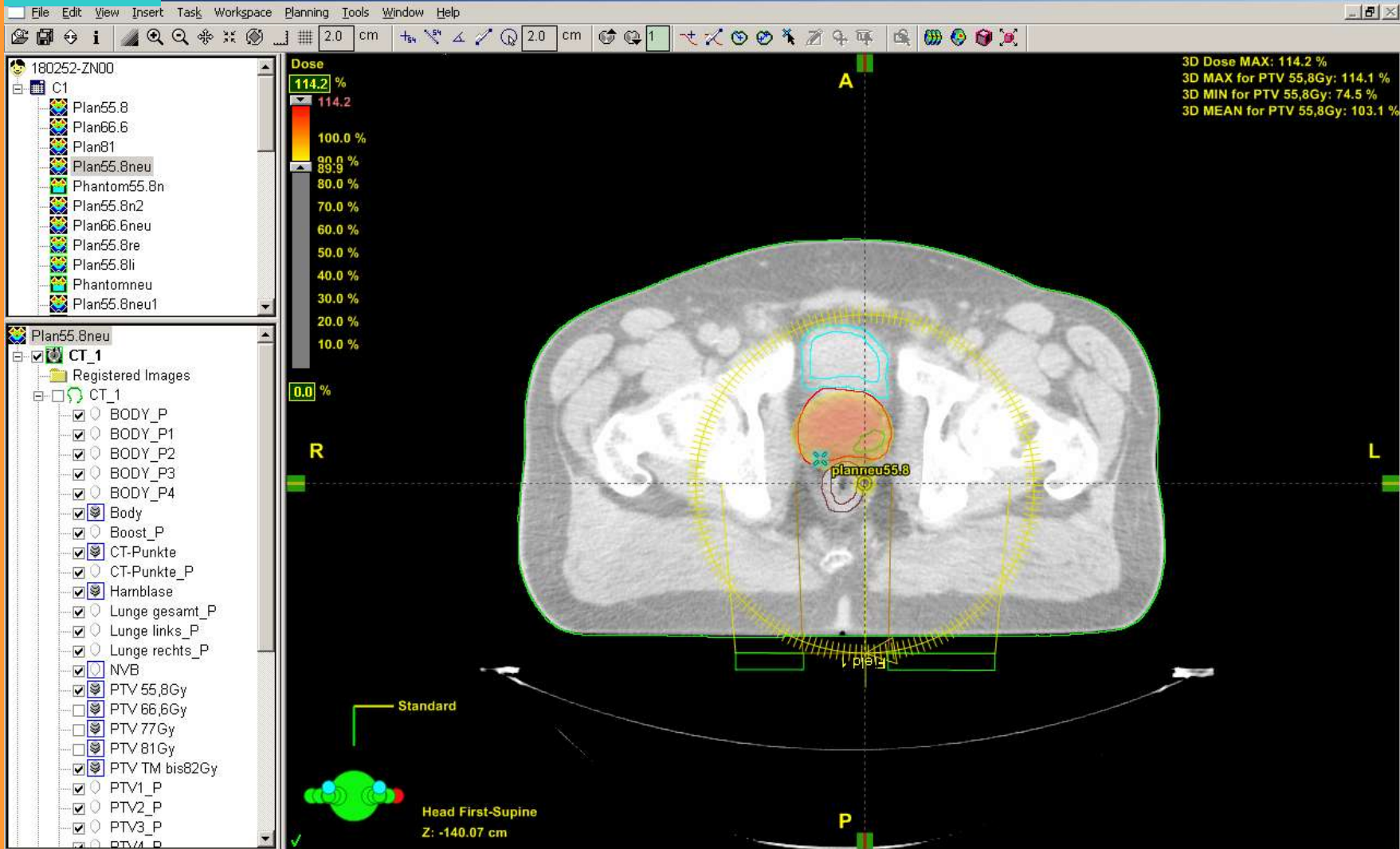
- ☒ CT_1
 - Registered Images
 - ☒ CT_1
 - ☒ Body
 - ☒ Bone, NOS
 - ☒ Lunge re
 - ☒ PTV 1
 - ☒ PTV2
 - ☒ User Origin
 - Reference Points
 - ☒ PTV 1
 - ☒ Dose
 - ☒ Fields
 - ☒ Field 1
 - ☒ MLC



Some structures are unapproved or rejected

Fields | Dose Prescription | ☐ Field Alignments | ☐ Plan Objectives | ☐ Optimization Objectives | Dose Statistics | Calculation Models | Plan Sum

View	DVH Line	Structure	Approval Status	Plan	Course	Volume [cm ³]	Dose Cover. [%]	Sampling Cover...	Min Dose [%]	Max Dose [%]	Mean Dose [%]	
<input type="checkbox"/>		Body	Unapproved	Testrep2	C1							
<input type="checkbox"/>		Bone, NOS	Approved	Testrep2	C1							
<input checked="" type="checkbox"/>		PTV 1	Unapproved	Testrep2	C1	754.7	100.0	100.0	60.9	114.8	97.3	
<input checked="" type="checkbox"/>		Lunge re	Unapproved	Testrep2	C1	1532.8	100.0	100.0	1.8	111.5	21.0	
<input type="checkbox"/>		PTV2	Unapproved	Testrep2	C1							



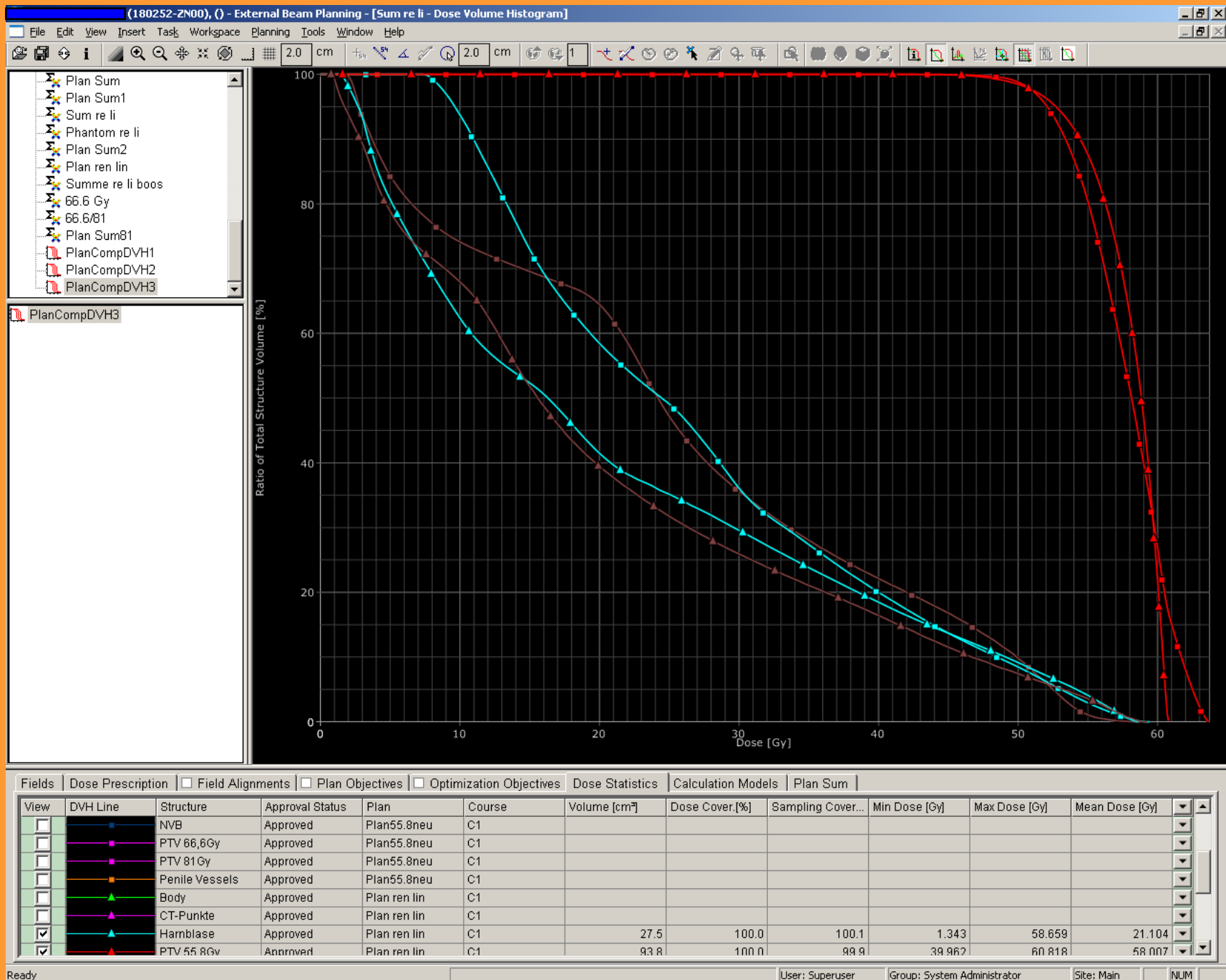
Fields | Dose Prescription | ☐ Field Alignments | ☐ Plan Objectives | ☐ Optimization Objectives | Dose Statistics | Calculation Models | Plan Sum

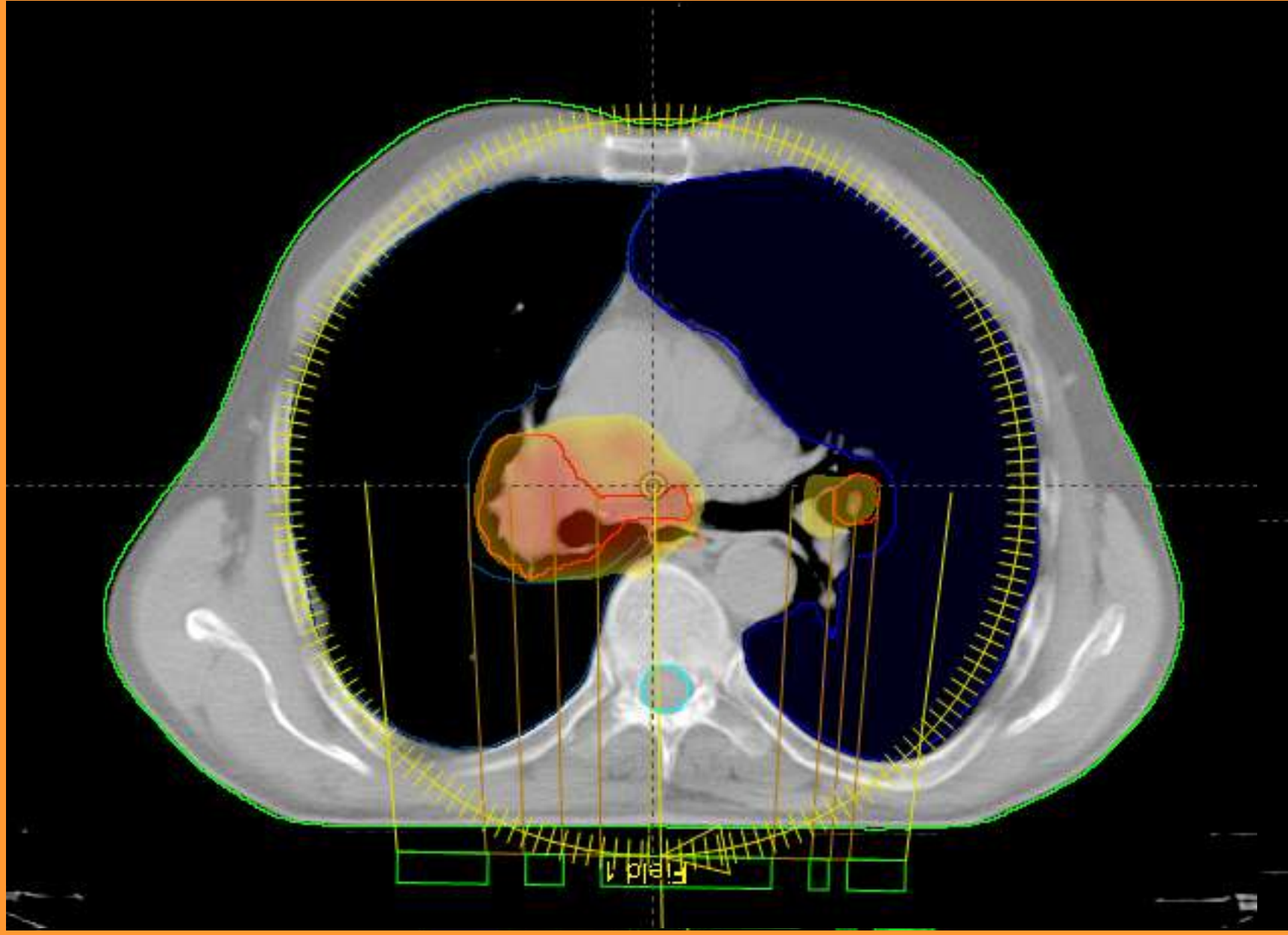
Group	Field ID	Technique	Machine/Energy	MLC	Field Weight	Scale	Gantry Rtn [deg]	Coll Rtn [deg]	Couch Rtn [deg]	Wedge	Field X [cm]	X1 [cm]	X2 [cm]	Field Y [cm]	Y1 [cm]	Y2 [cm]	X [cm]	Y [cm]	Z [cm]	SSD [cm]	MU	Ref. D [Gy]
<input checked="" type="checkbox"/>	Field 1	ARC-I	Clinac1370 - 18X	Dose Dyn. Arc	1.00	Varian IEC	180.1	44.2	0.0	None	12.5	+6.3	+6.2	12.4	+6.2	+6.3	1.3	-30.6	-140.1	90.8	254	

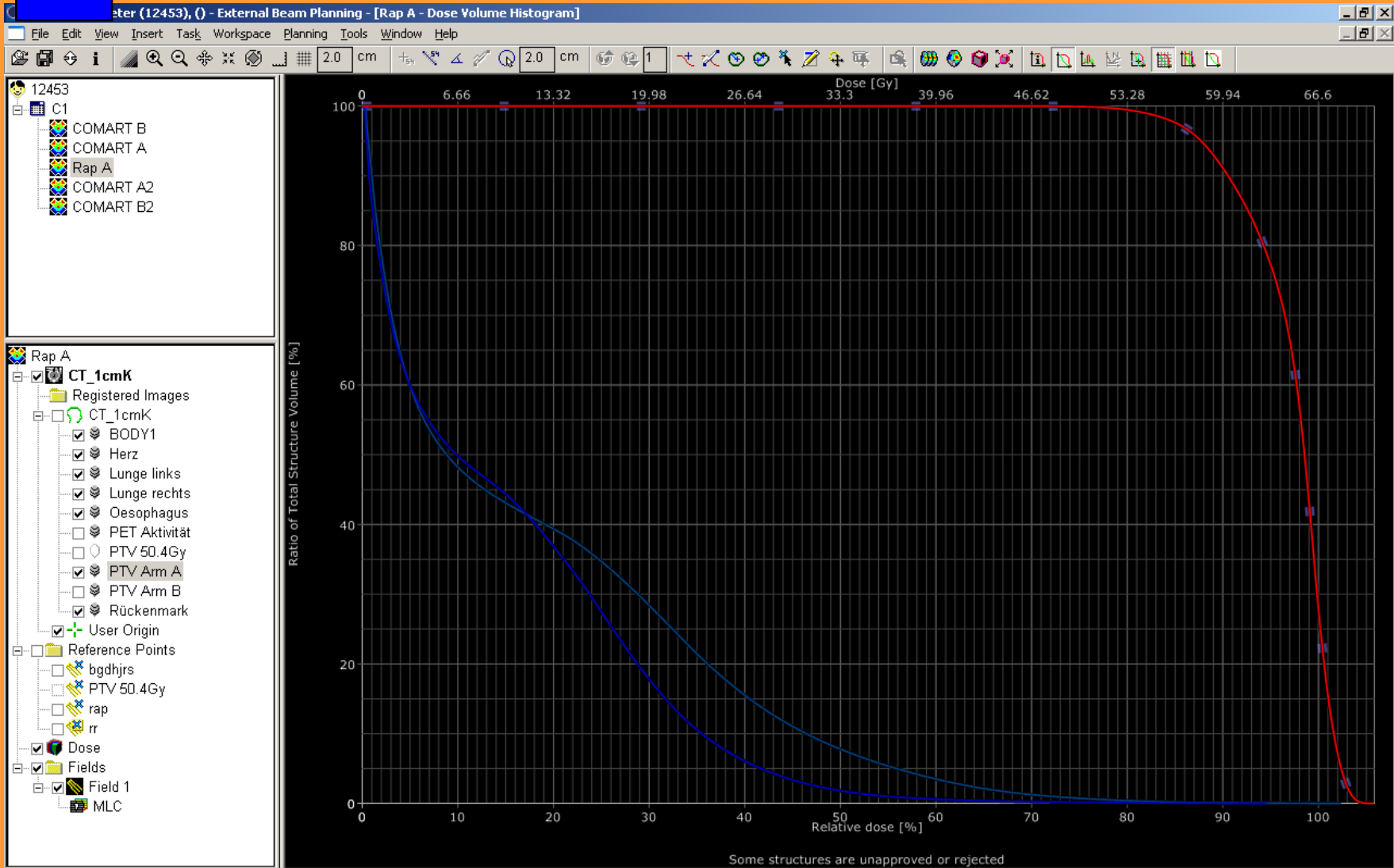


Fields Dose Prescription ☐ Field Alignments ☐ Plan Objectives ☐ Optimization Objectives Dose Statistics Calculation Models Plan Sum

View	DVH Line	Structure	Approval Status	Plan	Course	Volume [cm ³]	Dose Cover [%]	Sampling Cover...	Min Dose [Gy]	Max Dose [Gy]	Mean Dose [Gy]
<input type="checkbox"/>		Body	Approved	Plan ren lin	C1						
<input type="checkbox"/>		CT-Punkte	Approved	Plan ren lin	C1						
<input checked="" type="checkbox"/>		Harnblase	Approved	Plan ren lin	C1	27.5	100.0	100.1	1.343	58.659	21.104
<input checked="" type="checkbox"/>		PTV 55,8Gy	Approved	Plan ren lin	C1	93.8	100.0	99.9	39.962	60.818	58.007
<input type="checkbox"/>		PTV 77Gy	Approved	Plan ren lin	C1						
<input type="checkbox"/>		PTV TM bis82Gy	Approved	Plan ren lin	C1						
<input checked="" type="checkbox"/>		Rektum	Approved	Plan ren lin	C1	34.7	100.0	99.9	0.829	59.363	20.292
<input type="checkbox"/>		NVR	Approved	Plan ren lin	C1						







Fields		Dose Prescription		<input type="checkbox"/> Field Alignments	<input type="checkbox"/> Plan Objectives	<input type="checkbox"/> Optimization Objectives	Dose Statistics		Calculation Models		Plan Sum	
View	DVH Line	Structure	Approval Status	Plan	Course	Volume [cm³]	Dose Cover. [%]	Sampling Cover...	Min Dose [%]	Max Dose [%]	Mean Dose [%]	
<input checked="" type="checkbox"/>		Lunge links	Unapproved	Rap A	C1	2646.8	100.0	100.0	0.1	94.6	15.2	
<input checked="" type="checkbox"/>		Lunge rechts	Unapproved	Rap A	C1	2706.2	100.0	100.0	0.2	102.3	18.4	
<input type="checkbox"/>		Oesophagus	Unapproved	Rap A	C1							
<input type="checkbox"/>		PET Aktivität	Unapproved	Rap A	C1							
<input type="checkbox"/>		PTV 50.4Gy	Unapproved	Rap A	C1							
<input type="checkbox"/>		Rückenmark	Unapproved	Rap A	C1							
<input checked="" type="checkbox"/>		PTV Arm A	Unapproved	Rap A	C1	143.3	100.0	100.0	69.2	105.8	97.2	
<input type="checkbox"/>		PTV Arm B	Unapproved	Rap A	C1							

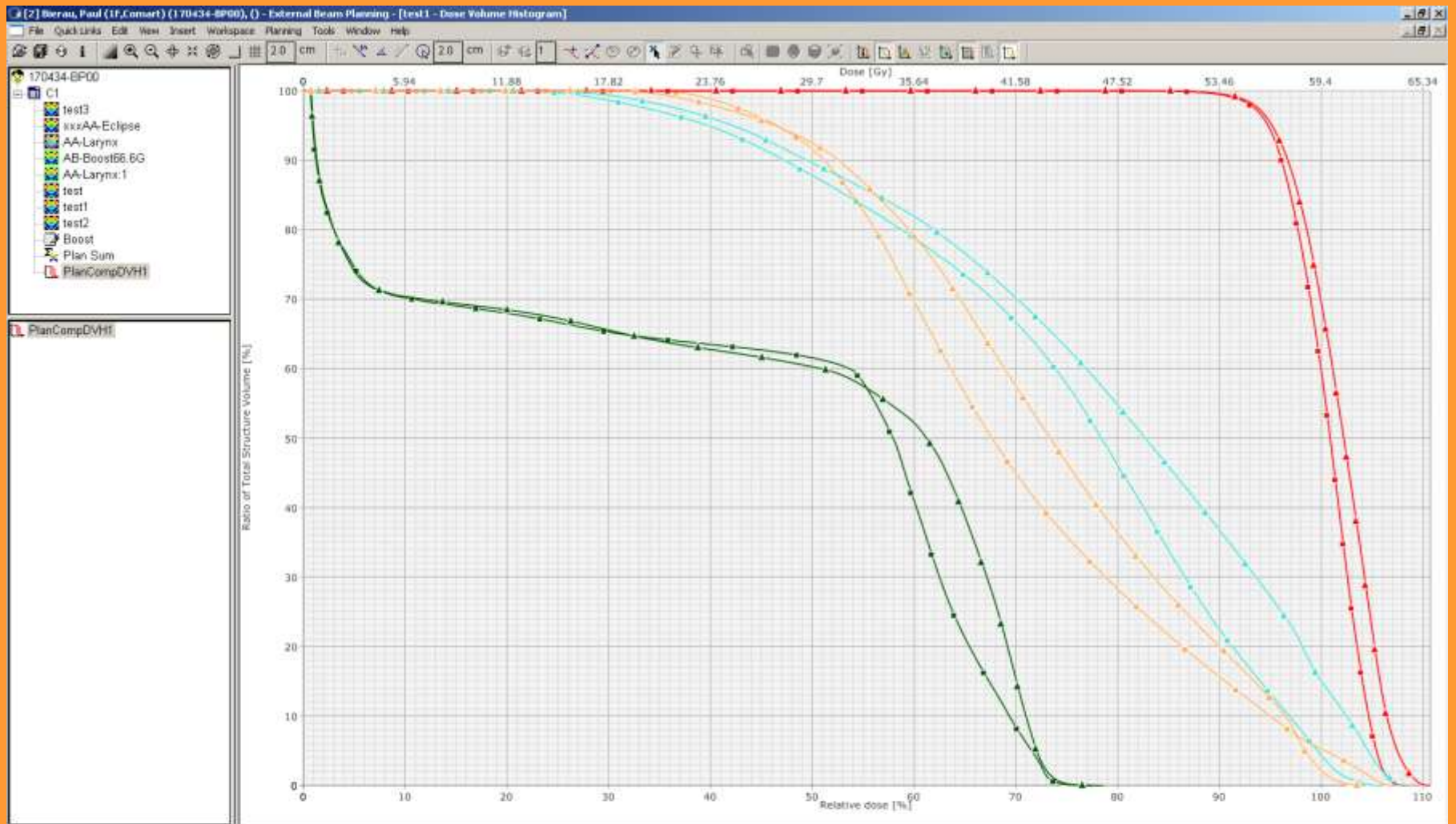
Ready

User: Superuser

Group: System Administrator

Site: Main

NUM



Selection Registration Contouring Field Setup **Plan Evaluation**

Fields Dose Prescription ☐ Field Alignments ☐ Plan Objectives ☐ Optimization Objectives ☐ Dose Statistics ☐ Calculation Models ☐ Plan Sum

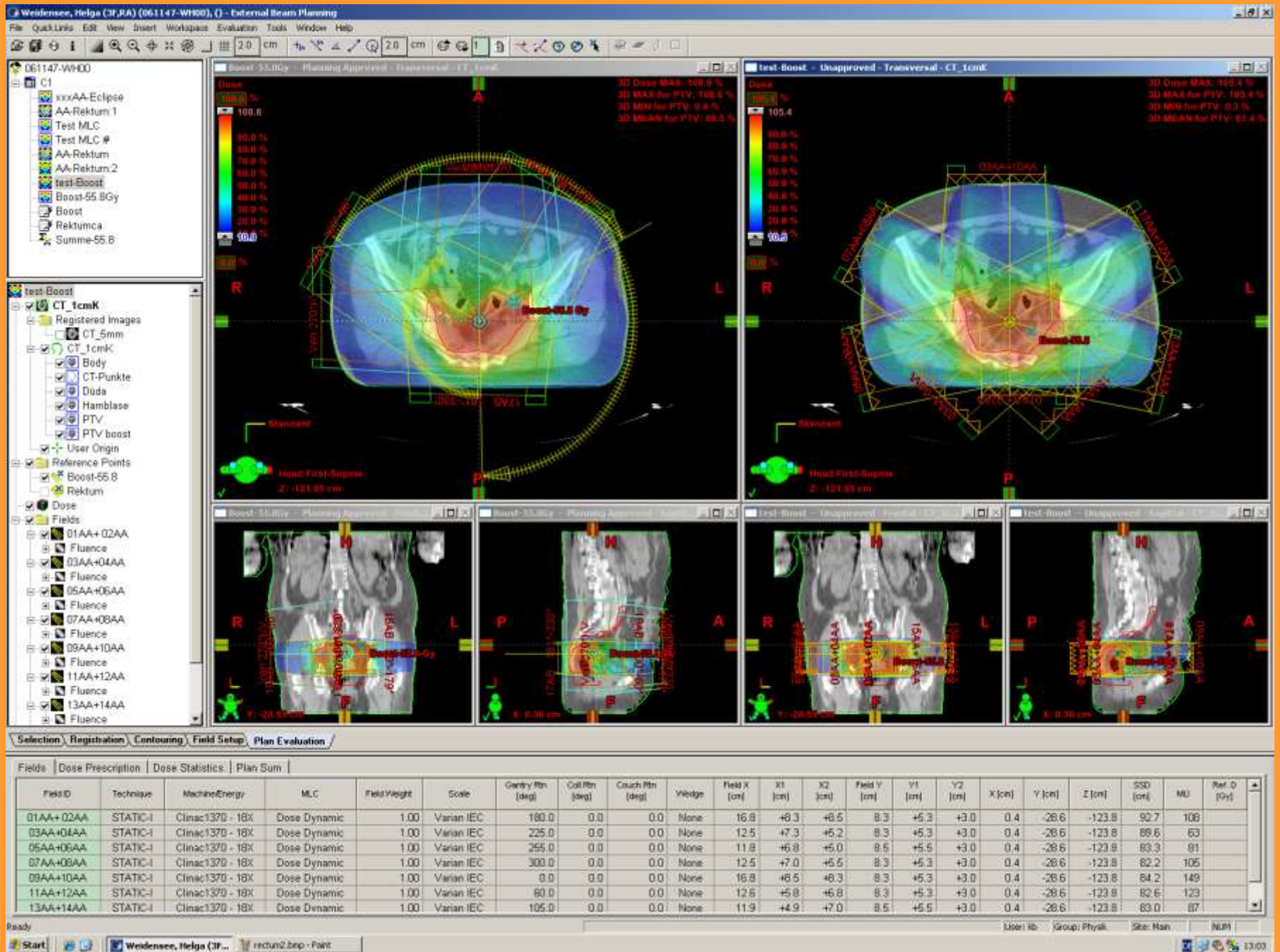
View	DVH Line	Structure	Approval Status	Plan	Course	Volume [cm ³]	Dose Cover [%]	Sampling Cover [%]	Min Dose [%]	Max Dose [%]	Mean Dose [%]
<input checked="" type="checkbox"/>		Parotis rechts	Approved	test1	C1	52.4	100.0	100.0	31.8	107.0	70.4
<input checked="" type="checkbox"/>		Rückenmark	Approved	test1	C1	89.2	100.0	100.0	0.6	78.6	42.0
<input type="checkbox"/>		S	Unapproved	test2	C1						
<input type="checkbox"/>		Boost	Approved	test2	C1						
<input type="checkbox"/>		Body	Approved	test2	C1						
<input type="checkbox"/>		CT-Punkte	Approved	test2	C1						
<input checked="" type="checkbox"/>		PTV	Approved	test2	C1	544.5	100.0	100.0	80.9	110.7	101.8

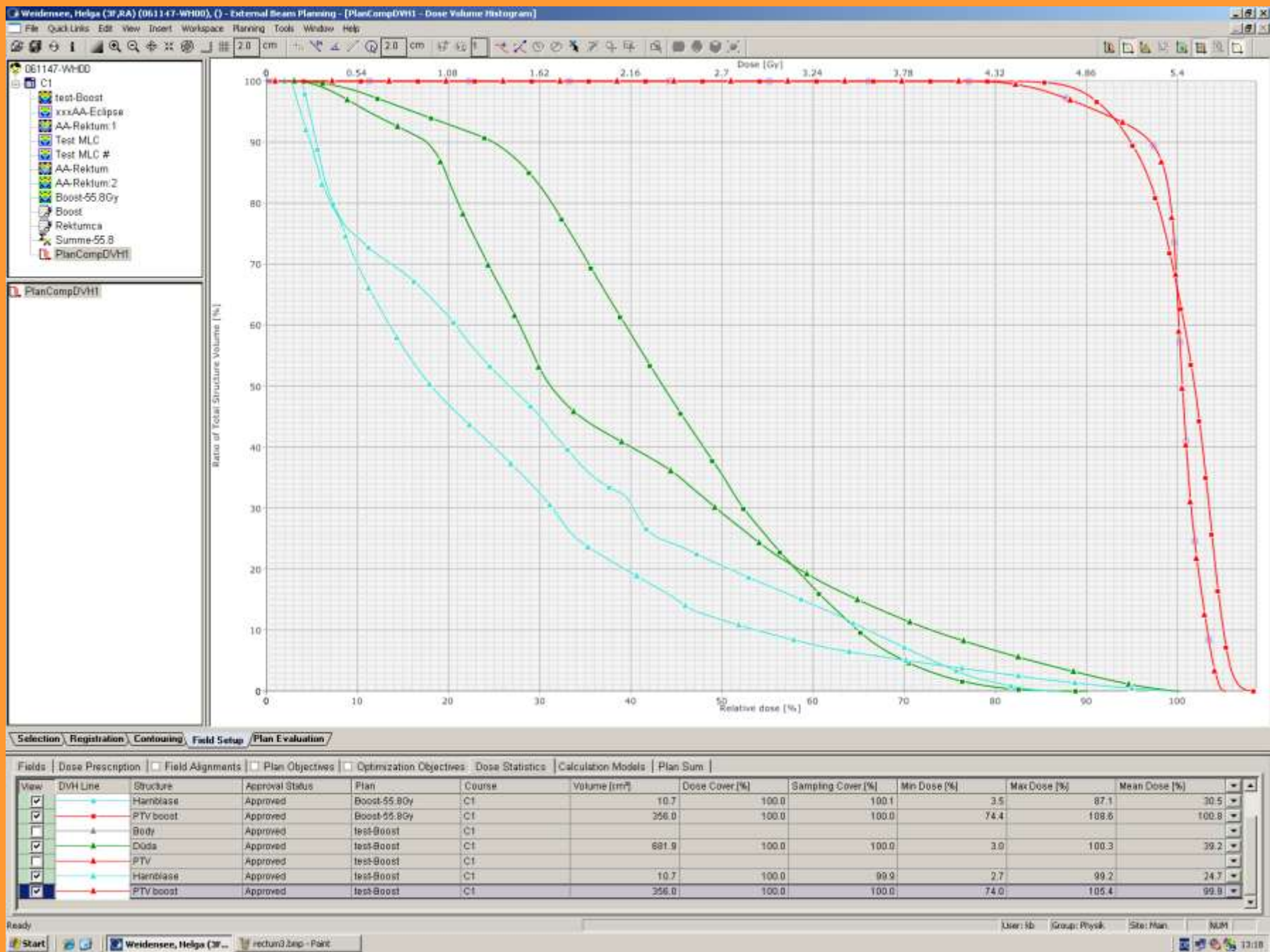
Ready

User: ds Group: Physik Site: Main NUR1

Start [2] Bierau, Paul (1F, C... hls36025.bmp - Paint

12:43



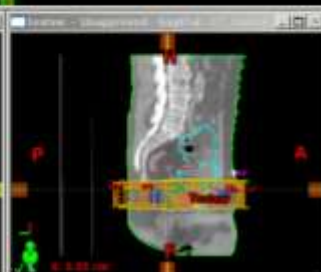
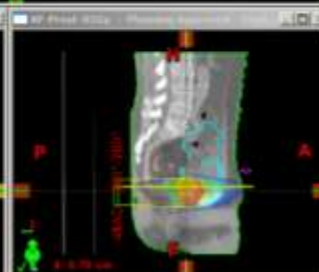
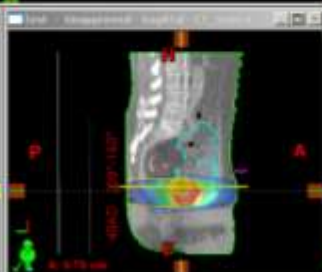
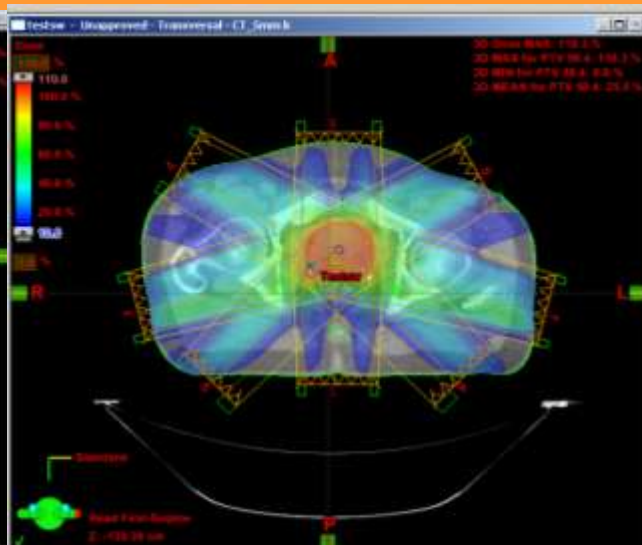
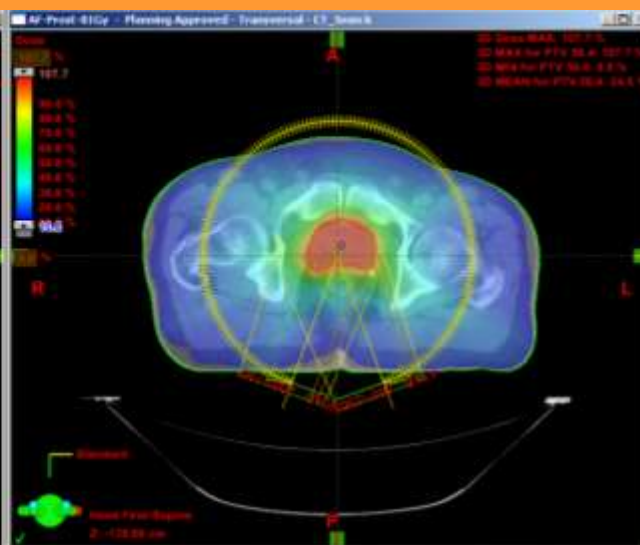
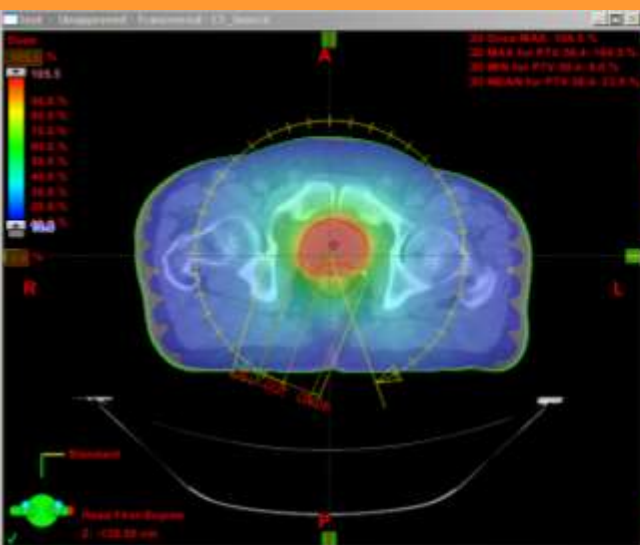


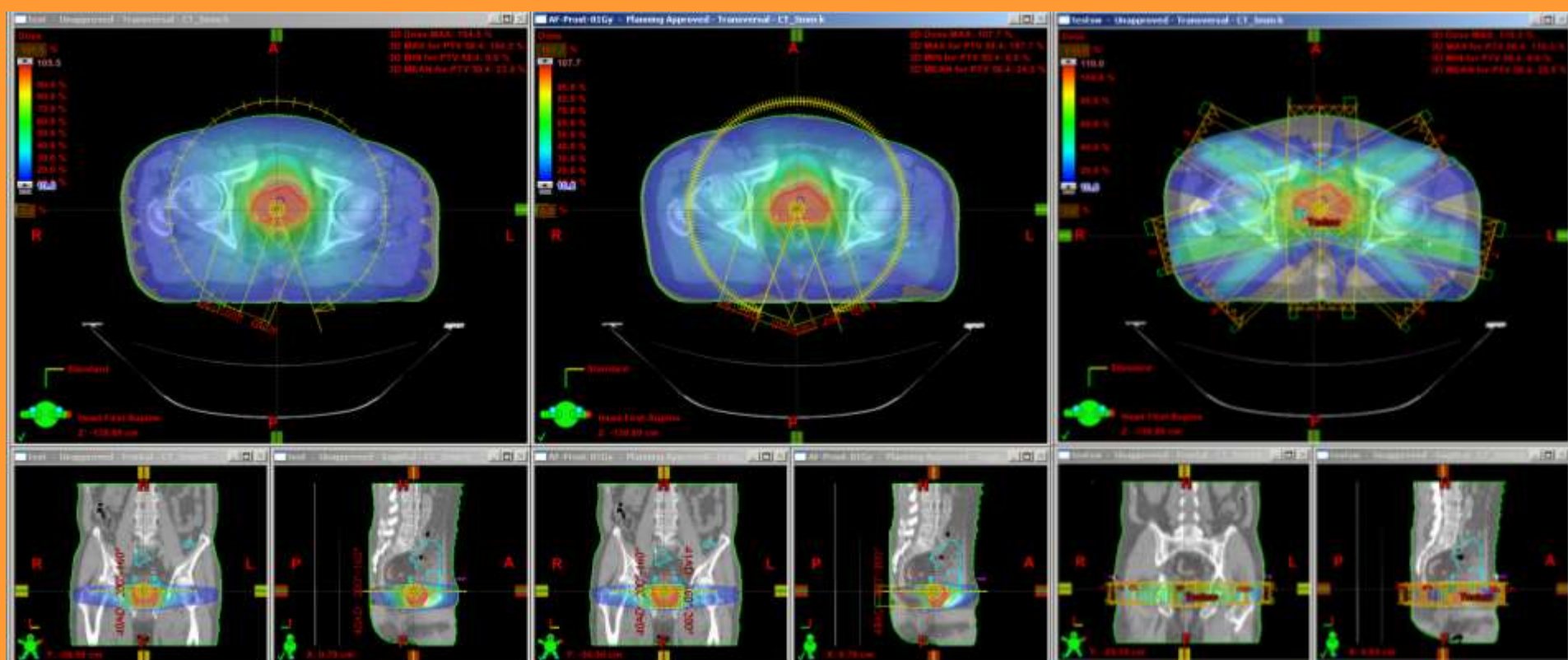
RapidArc

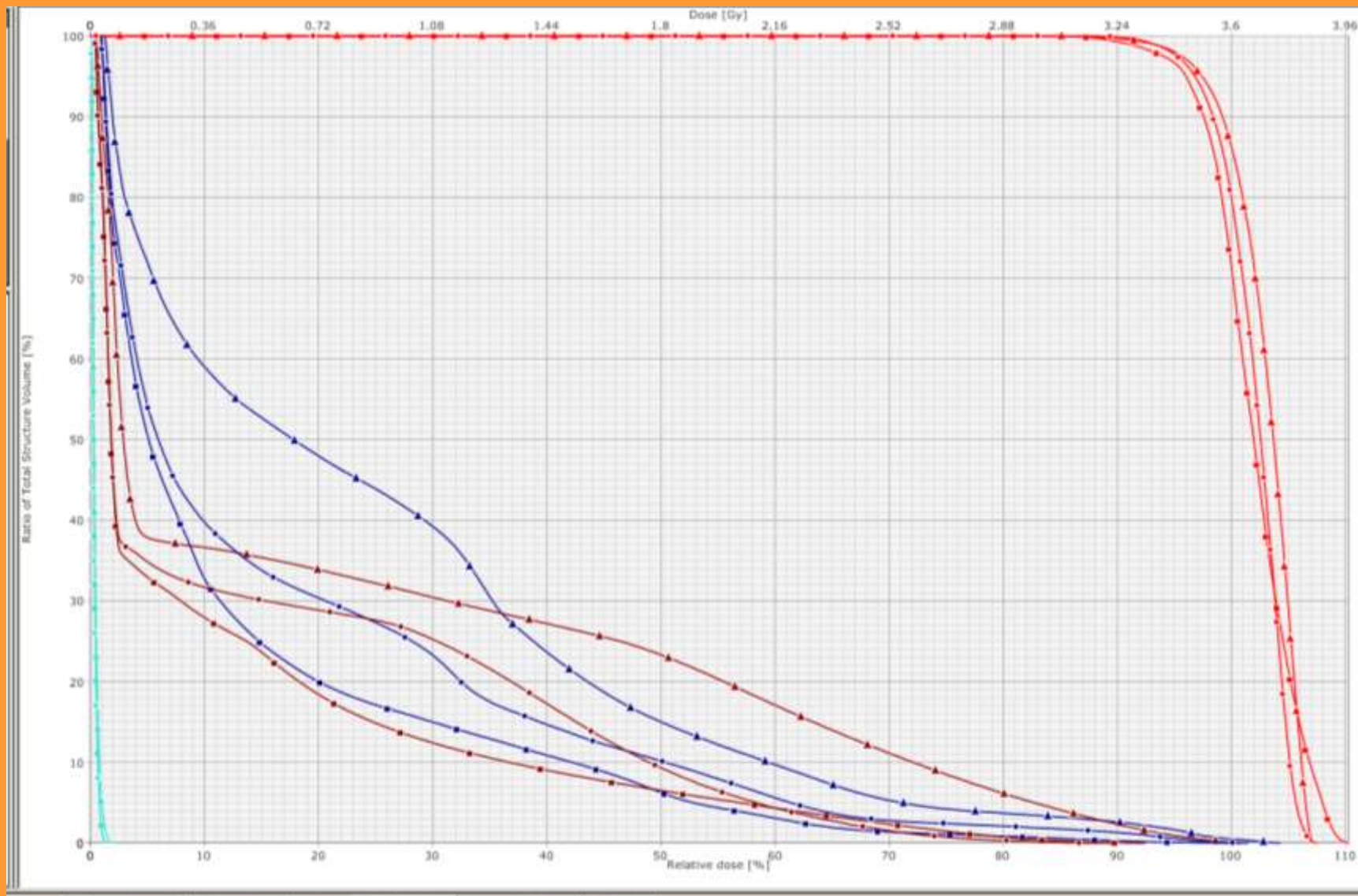


Sliding window





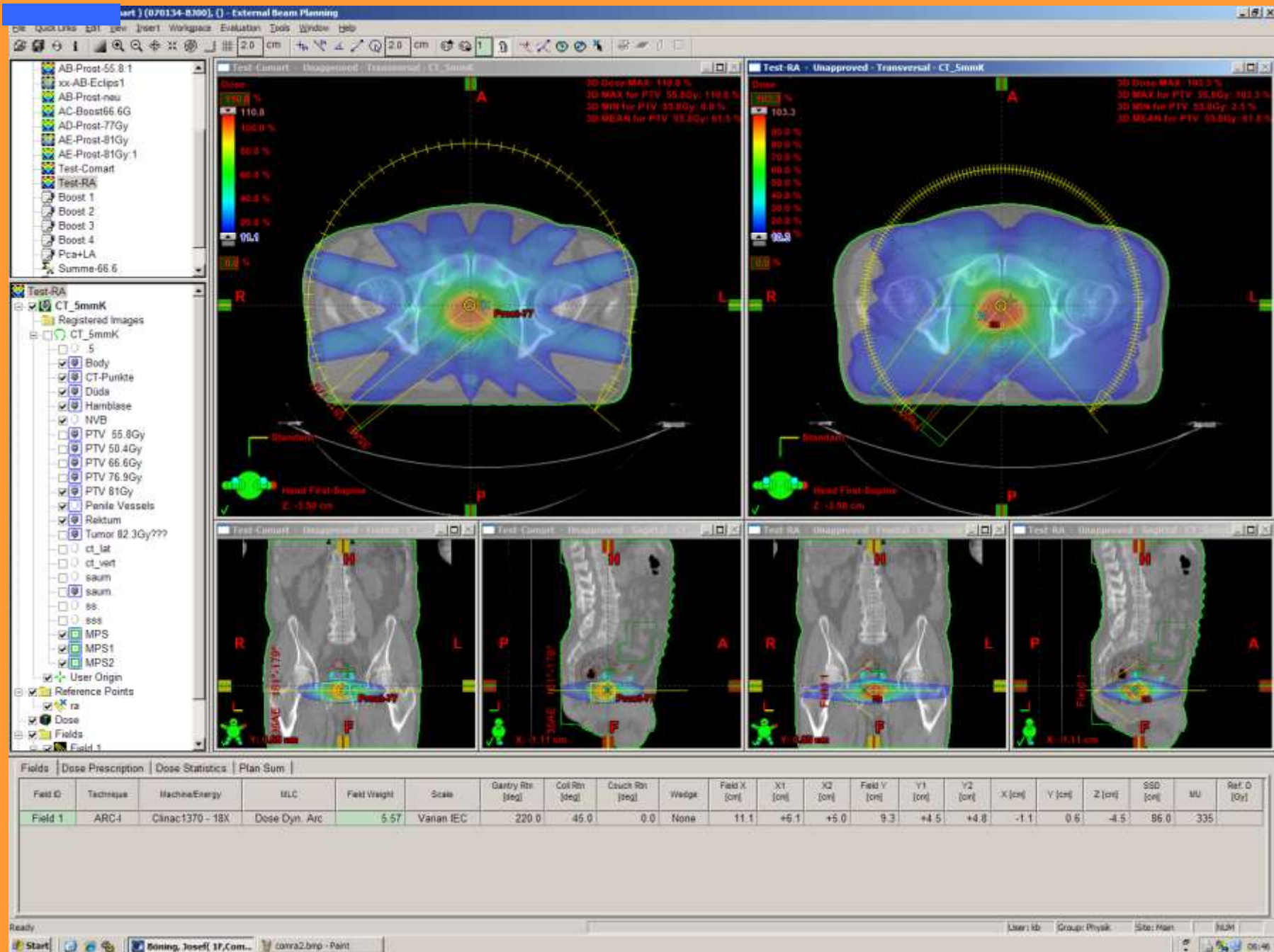




▼ COMART (dynamic arc)

○ RapidArc

□ Sliding window





□ COMART (dynamic arc)

