

Kollisionen

Index#	Raum (XTL_)	z (Raum)	Weitere Räume (XTL_)	Gewerk 1	Gewerk 2	Gewerk 1 (Detail)	Gewerk 2 (Detail)	z (lokal)	z (absolut)	Kollisionstyp / Bemerkungen
01	R01	89,55		BB.DG2_D00000001058013	XTL_R01_WP13_Cryogenics_D00000000811933	Lattice_V8.2_I1_DG2_D00000001197373	SUSPENSION_CRYO_BC1-SE0003142322_D00000001053293	7096,70	7186,25	
02	R01	89,55		SRM.DG2_D00000001057763	XTL_R01_WP13_Cryogenics_D00000000811933	Lattice_V8.2_I1_DG2_D00000001197373	Pipe_DN700-SE000285517_D00000002109272	11442,00	11531,55	
03	R01	89,55	R02 - R13; R33; R35 - R38	XTL_R01_Bauwerk_D00000000708093	XTL_R01_Transport_D00000000711923	Tunnel_5300_52m_D00000001077332	Laserfreiraum_XTL-SE000478884_D00000002258272	0,00	89,55	Transparent - Fest Kollision
04a	R01	89,55	R02 - R13; R31; R33; R35 - R37	XTL_R01_Bauwerk_D00000000708093	XTL_R01_Wasser_D00000000711943	Sohlgewoelbe_XTL_R01_D00000002457452	XTL-Endfestpunkt_DN300-VL-SE000216680_D00000001128083	9304,00	9393,55	Verankerung
04b	R01	89,55	R02 - R13; R31; R33; R35 - R38	XTL_R01_Bauwerk_D00000000708093	XTL_R01_Wasser_D00000000711943	Randbalken_Typ_2_D00000002245202	PH_Trasse-envelope-SE000270443_D00000002224052	0,00	89,55	Transparent - Fest Kollision
04c	R01	89,55	R02 - R13; R31; R33; R35 - R37	XTL_R01_Bauwerk_D00000000708093	XTL_R01_Wasser_D00000000711943	Sohlgewoelbe_XTL_R01_D00000002457452	PH-Kabelkuehlung-SE000270497_D00000002224032	5900,00	5989,55	Bohrung
04d	R01	89,55	R02 - R13; R31; R35 - R38	XTL_R01_Bauwerk_D00000000708093	XTL_R01_Wasser_D00000000711943	Sohlgewoelbe_XTL_R01_D00000002457452	Boden_VE30-SE000474064_D00000002223562	0,00	89,55	Transparent - Fest Kollision
05	R01	89,55		XTL_R01_E-Versorgung_D00000000711843	XTL_R01_Klima_D00000000711883	Sicherheitssystem-01-SE000494561_D00000002421842	Abl-Batt-XTL_R01-SE000317194_D00000000863393	0,00	89,55	Transparent - Fest Kollision
06	R01	89,55	R05; R11; R12	XTL_R01_E-Versorgung_D00000000711843	XTL_R01_Racks_D00000001139943	Elektrant_75x90x20-SE000299129_D00000002421932	Racks_3_Units_D00000001138043	3800,00	3889,55	Vollständige Überlappung
07	R01	89,55	R02 - R13; R35 - R40	XTL_R01_E-Versorgung_D00000000711843	XTL_R01_Sicherheit_D00000000711903	Pritschen_E30-SE000459621_D00000001186573	Rauchansaugsystem_D00000000525483	4875,00	4964,55	
08	R01	89,55		XTL_R01_E-Versorgung_D00000000711843	XTL_R01_Vermessung_D00000000711933	Sicherheitssystem-01-SE000494561_D00000002421842	Vermessung_XTL_R01-SE000260320_D00000001084653	0,00	89,55	Transparent - Transparent Kollision (Messbereich)
09	R01	89,55	R04; R35 - R38	XTL_R01_E-Versorgung_D00000000711843	XTL_R01_WP38_Personnel_Interlock_D00000001087923	- mehrere -	Personnel_Interlock_Links_D00000000876403	0,00	89,55	
10	R01	89,55		XTL_R01_Klima_D00000000711883	XTL_R01_Transport_D00000000711923	Abl-Batt-XTL_R01-SE000317194_D00000000863393	Transportweg_XTL_ph-SE000309183_D00000002258892	1907,00	1996,55	
11	R01	89,55		XTL_R01_Klima_D00000000711883	XTL_R01_Vermessung_D00000000711933	- mehrere -	- mehrere -	0,00	89,55	Transparent - Fest Kollision (Messbereich)
12	R01	89,55		XTL_R01_Kryogenik_D00000000711893	XTL_R01_Sicherheit_D00000000711903	Heliumrohr_DN400--XTL_Kryogenik_01_02_D00000000174275	Rauchansaugsystem_D00000000525483	4875,00	4964,55	
13	R01	89,55	R02 - R12; R35 - R37; R40	XTL_R01_Maschine_D00000000711833	XTL_R01_Sicherheit_D00000000711903	erdungsschiene_XTL_R01_Maschine_D00000001036302	Rauchansaugsystem_D00000000525483	4835,20	4924,75	
14	R01	89,55	R02 - R10; R12; R13; R31; R35; R36	XTL_R01_Maschine_D00000000711833	XTL_R01_Vermessung_D00000000711933	- mehrere -	Vermessung_XTL_R01-SE000260320_D00000001084653	0,00	89,55	Transparent - Fest & Transparent - Transparent Kollisionen (Messbereich)
15	R01	89,55	R03; R04; R06 - R13; R36	XTL_R01_Maschine_D00000000711833	XTL_R01_Wasser_D00000000711943	Strahlumhuellende_R01_D00000000818403	PH_Klystronbereich_20110328-SE000424076_D00000001128053	51702,00	51791,55	Transparent - Transparent Kollision
16	R01	89,55	R02 - R12; R35 - R37; R40	XTL_R01_Maschine_D00000000711833	XTL_R01_Wasser_D00000000711943	erdungsschiene_XTL_R01_Maschine_D00000001036302	PH_Trasse-envelope-SE000270443_D00000002224052	0,00	89,55	Transparent - Fest Kollision (?)
17	R01	89,55		XTL_R01_Maschine_D00000000711833	XTL_R01_WP13_Cryogenics_D00000000811933	- mehrere -	platzhalter2xfel_D00000002168482	32240,00	32329,55	Transparent - Fest Kollision
18	R01	89,55	R10; R11	XTL_R01_Racks_D00000001139943	XTL_R01_Wasser_D00000000711943	Racks_3_Units_D00000001138043	PH_VE30-KW20_mit_KK_Typ-M-	48755,0	48844,55	Transparent - Fest Kollision;

			- R13				SE0004012982_D00000001128063	0		bei XTL_R13 größere Überlappung
19	R01	89,55	R02	XTL_R01_Racks_D00000001139943	XTL_R01_WP13_Cryogenics_D00000000811933	Racks_3_Units_D00000001138043	Mobiler_Reinraum_D00000001091023	44175,65	44265,20	
20	R01	89,55	R02 - R13; R33 - R38	XTL_R01_Sicherheit_D00000000711903	XTL_R01_Transport_D00000000711923	Fluchtwegweg_XTL_ph-SE000311943_D00000002347912	- mehrere -	0,00	89,55	
21	R01	89,55	R02 - R13; R33 - R40	XTL_R01_Sicherheit_D00000000711903	XTL_R01_Vermessung_D00000000711933	Fluchtwegweg_XTL_ph-SE000311943_D00000002347912	- mehrere -	0,00	89,55	z.T. Transparent - Fest Kollisionen (Messbereich)
22	R01	89,55	R02 - R13; R33 - R40	XTL_R01_Sicherheit_D00000000711903	XTL_R01_Vermessung_D00000000711933	Rauchansaugsystem_D00000000525483	Installation_ph_XTL_R01-SE000260473_D00000002164962	0,00	89,55	Transparent - Fest Kollision (Messbereich)
23	R01	89,55	R02 - R13; R35 - R40	XTL_R01_Sicherheit_D00000000711903	XTL_R01_Wasser_D00000000711943	- mehrere -	PH_Trasse-envelope-SE000270443_D00000002224052	0,00	89,55	Transparent - Fest Kollision (?)
24	R01	89,55	R02 - R13	XTL_R01_Sicherheit_D00000000711903	XTL_R01_WP02_LLRF_D00000000841663	Rauchansaugsystem_D00000000525483	XTL_R01_LLRF_cable_duct_D00000002328632	4827,00	4916,55	
25	R01	89,55	R03; R07; R08	XTL_R01_Sicherheit_D00000000711903	XTL_R01_WP13_Cryogenics_D00000000811933	Rauchansaugsystem_D00000000525483	- mehrere -	7313,70	7403,25	
26	R01	89,55	R02 - R12; R35 - R40	XTL_R01_Sicherheit_D00000000711903	XTL_R01_WP34_IT_D00000001064853	Rauchansaugsystem_D00000000525483	- mehrere -	4827,00	4916,55	
27	R01	89,55	R02 - R13; R35 - R40	XTL_R01_Sicherheit_D00000000711903	XTL_R01_WP38_Personnel_Interlock_D00000001087923	Rauchansaugsystem_D00000000525483	Personen_Interlock_Kabeltrasse_D00000001530072	4827,00	4916,55	
28	R01	89,55	R02 - R13; R33 - R38	XTL_R01_Transport_D00000000711923	XTL_R01_Vermessung_D00000000711933	- mehrere -	- mehrere -	0,00	89,55	Transparent - Transparent Kollisionen (Messbereich)
29	R01	89,55		XTL_R01_Transport_D00000000711923	XTL_R01_WP13_Cryogenics_D00000000811933	- mehrere -	- mehrere -	32813,95	32903,50	Transparent - Transparent Kollisionen (Messbereich)
30	R01	89,55	R02; R03; R32 - R37; R41	XTL_R01_Vermessung_D00000000711933	XTL_R01_Wasser_D00000000711943	maintenance_ph_Justierung_XTL_R01-SE000262310_D00000002164972	PH_VE30-KW20_mit_KK_Typ-M-SE000401298_D00000001128073	12150,00	12239,55	Transparent - Transparent Kollisionen (Messbereich), vgl. 64
31	R01	89,55	R02 - R06; R08 - R13	XTL_R01_Vermessung_D00000000711933	XTL_R01_WP01_RF-System_D00000000811983	maintenance_ph_Justierung_XTL_R01-SE000262310_D00000002164972	- mehrere -	34877,30	34966,85	Transparent - Fest Kollision (Messbereich)
32	R01	89,55	R02	XTL_R01_Vermessung_D00000000711933	XTL_R01_WP02_LLRF_D00000000841663	maintenance_ph_Justierung_XTL_R01-SE000262310_D00000002164972	XTL_R01_LLRF_cables_D00000001155763	42230,00	42319,55	Transparent - Fest Kollision (Messbereich)
33	R01	89,55	R02 - R13	XTL_R01_Vermessung_D00000000711933	XTL_R01_WP13_Cryogenics_D00000000811933	- mehrere -	- mehrere -	0,00	89,55	Transparent - Fest Kollision (Messbereich)
34	R01	89,55	R02 - R13; R31 - R40	XTL_R01_Vermessung_D00000000711933	XTL_R01_WP16_Lattice_D00000000810543	- mehrere -	- mehrere -	111,74	201,29	Transparent - Fest Kollision (Messbereich)
35	R01	89,55	R02 - R06; R08 - R11; R13; XLT_R31; R33; R35 - R40	XTL_R01_Vermessung_D00000000711933	XTL_R01_WP38_Personnel_Interlock_D00000001087923	envelope_ph_Vermessungswagen_XTL_R01-SE000305283_D00000002164952	Personnel_Interlock_Links_D00000000876403	2062,50	2152,05	Transparent - Fest Kollision; vgl. 72
36	R01	89,55		XTL_R01_Wasser_D00000000711943	XTL_R01_WP02_LLRF_D00000000841663	PH_VE30-KW20_mit_KK_Typ-M-SE0004012982_D00000001128063	- mehrere -	44390,00	44479,55	Transparent - Fest Kollision
37	R01	89,55		XTL_R01_Wasser_D00000000711943	XTL_R01_WP13_Cryogenics_D00000000811933	PH_VE30-KW20_mit_KK_Typ-M-SE0004012982_D00000001128063	Reinraum_Platzhalteraufgebautxfel_D00000001091033	44390,00	44479,55	Transparent - Fest Kollision
38	R01	89,55	R02 - R13; R31; R33; R35 - R40	XTL_R01_Wasser_D00000000711943	XTL_R01_WP38_Personnel_Interlock_D00000001087923	PH_Trasse-envelope-SE000270443_D00000002224052	Personnel_Interlock_Rechts_D00000000876413	2062,50	2152,05	Transparent - Fest Kollision
39	R01	89,55		XTL_R01_WP02_LLRF_D00000000841663	XTL_R01_WP13_Cryogenics_D00000000811933	3-Rack_Top_Shield_D00000002328642	Mobiler_Reinraum_D00000001091023	44175,65	44265,20	
40	R01	89,55	R02	XTL_R01_WP02_LLRF_D00000000841663	XTL_R01_WP13_Cryogenics_D00000000811933	XTL_R01_LLRF_cables_D00000001155763	Module_envelope_Placeholder-SE000325455_D00000002109262	43280,00	43369,55	

41	R01	89,55		XTL_R01_WP13_Cryogenics_D00000000811933	Lattice_V8.2_I1_DG2_D00000001197373	U-Stahl_2700-SE000184441_D00000002109362	BB.DG2_D00000001058013	7193,70	7283,25	
42	R02	141,55	R04 - R06; R08 - R13	XTL_R02_Bauwerk_D00000000781723	XTL_R02_WP01_RF-System_D00000000811923	XTL_R02_Level-1_D00000000781813	- mehrere -	2553,50	2695,05	
43	R02	141,55	R01; R05; R06; R08; R09	XTL_R02_Bauwerk_D00000000781723	XTL_R02_WP13_Cryogenics_D00000000811953	XTL_R02_Aussenwaende_D00000000781893	Deckenra_m_Konsolen-SE000315429_D00000000938423	6585,14	6726,69	Achtung! Auch bei XTL_R01!
44	R02	141,55	R03; R06; R07	XTL_R02_Bauwerk_D00000000781723	XTL_R02_WP13_Cryogenics_D00000000811953	XTL_R02_Aussenwaende_D00000000781893	SUSPENSION_DUMMY_CRYO_BC1-SE0002855343_D00000001052443	37335,50	37477,05	
45	R02	141,55	R03 - R13	XTL_R02_E-Versorgung_D00000000781713	XTL_R02_Wasser_D00000000781603	Pritsche_52000-SE000300813_D00000002162522	PH_KK_kompl-SE000310372_D00000001162453	0,00	141,55	
46	R02	141,55	R03 - R13; R31; R33; R35 - R40	XTL_R02_E-Versorgung_D00000000781713	XTL_R02_WP38_Personnel_Interlock_D00000000876393	Pritsche_300-52000-SE000300823_D00000002162572	Personen_Interlock_Kabeltrasse_D00000001530072	0,00	141,55	
47	R02	141,55		XTL_R02_Transport_D00000000781623	XTL_R02_WP13_Cryogenics_D00000000811953	Transportweg_XTL_ph-SE000309183_D00000002260962	- mehrere -	4552,35	4693,90	Transparent - Fest Kollision (?)
48	R02	141,55	R03; R06; R07	XTL_R02_Transport_D00000000781623	XTL_R02_WP16_Lattice_D00000000810533	Transportweg_XTL_ph-SE000309183_D00000002260962	Lattice_V8.2_B1_DG2_D00000001197443	40658,6	40800,15	Transparent - Fest Kollision
49	R02	141,55		XTL_R02_WP01_RF-System_D00000000811923	XTL_R02_WP13_Cryogenics_D00000000811953	- mehrere -	- mehrere -	4552,35	4693,90	z.T. Transparent - Fest Kollisionen
50	R03	193,55	R33; R35 - R40	XTL_R03_E-Versorgung_D00000000782053	XTL_R03_Vermessung_D00000000781953	XTL_R01_Lichtband-SE000344066_D00000001076183	maintenance_ph_XTL_R03-SE000346930_D00000002165552	0	193,55	Transparent - Fest Kollision
51	R03	193,55	R04; R35	XTL_R03_E-Versorgung_D00000000782053	XTL_R03_Wasser_D00000000781943	Pritsche_52000-SE000300866_D00000002149312	- mehrere -	10308,7	10502,25	z.T. Transparent - Fest Kollision; vgl. 61
52	R03	193,55		XTL_R03_Racks_D00000001076263	XTL_R03_Wasser_D00000000781943	- mehrere -	- mehrere -	10308,7	10502,25	vgl. 63
53	R03	193,55		XTL_R03_Racks_D00000001076263	XTL_R03_WP16_Lattice_D00000000810523	- mehrere -	- mehrere -	17608,7	17802,25	
54	R03	193,55	R08	XTL_R03_Transport_D00000000781963	XTL_R03_WP20_Beam-Dump_D00000000858993	Transportweg_XTL_ph-SE000309183_D00000002260302	BC1_tolerance_D00000001460022	43072,61	43266,16	
55	R03	193,55		XTL_R03_Wasser_D00000000781943	XTL_R03_WP13_Cryogenics_D00000000812023	PH_Dumpbereich-SE000401958_D00000001128303	Module_envelope_Placeholder-SE000325455_D00000002107762	44312,5	44506,05	
56	R03	193,55		XTL_R03_Wasser_D00000000781943	XTL_R03_WP16_Lattice_D00000000810523	- mehrere -	- mehrere -	15015,75	15209,30	
57	R03	193,55		XTL_R03_Wasser_D00000000781943	XTL_R03_WP20_Beam-Dump_D00000000858993	PH_Dumpbereich-SE000401958_D00000001128303	- mehrere -	43493	43686,55	
58	R03	193,55		XTL_R03_WP16_Lattice_D00000000810523	XTL_R03_WP20_Beam-Dump_D00000000858993	DUMP.DG2_D00000001057943	- mehrere -	4336,1	4529,65	?
59	R03	193,55		XTL_R03_WP16_Lattice_D00000000810523	XTL_R03_WP13_Cryogenics_D00000000812023	OTRB.DG2_D00000001057723	SUSPENSION_DUMMY_CRYO_BC1-SE0002855343_D00000001051953	2519,5	2713,05	Transparent - Fest Kollision
60	R03	193,55		XTL_R03_WP16_Lattice_D00000000810523	XTL_R03_WP13_Cryogenics_D00000000812023	CRD.DG2_D00000001057703	Pipe_DN700_BC1-SE000286281_D00000002107722	32078,7	32272,25	
61	R04	245,55	R05 - 13	XTL_R04_E-Versorgung_D00000000812363	XTL_R04_Wasser_D00000000812323	Pritschen_oberhalb-SE000302250_D00000001083463	- mehrere -	10102	10347,55	z.T. Transparent - Fest Kollision; vgl. 51
62	R04	245,55		XTL_R04_E-Versorgung_D00000000812363	XTL_R04_WP01_RF-System_D00000000812303	Elektrant_75x90x20-SE000299129_D00000002162602	Trafo_XTL-SE000273446_D00000001686392	24000	24245,55	vgl. 77; 85; 86
63	R04	245,55	R05	XTL_R04_Racks_D00000001138093	XTL_R04_Wasser_D00000000812323	- mehrere -	- mehrere -	10102	10347,55	z.T. Transparent - Fest Kollision; vgl. 52
64	R04	245,55	R05 - R11; R13	XTL_R04_Vermessung_D00000000812043	XTL_R04_Wasser_D00000000812323	maintenance_ph_Justierung_XTL_R04-SE000349335_D00000002166292	- mehrere -	11615,17	11860,72	z.T. Transparent - Fest Kollision; vgl. 30
65	R04	245,55	R05; R09; R13	XTL_R04_Wasser_D00000000812323	XTL_R04_WP01_RF-System_D00000000812303	- mehrere -	- mehrere -	13220,25	13465,80	z.T. Transparent - Fest Kollision
66	R04	245,55	R05; R08 - R13	XTL_R04_Wasser_D00000000812323	XTL_R04_WP13_Cryogenics_D00000000812293	- mehrere -	- mehrere -	10182,22	10427,77	z.T. Transparent - Fest Kollision
67	R06	349,55	R08; R10; R12	XTL_R06_Wasser_D00000000789833	XTL_R06_WP01_RF-System_D00000000813253	- mehrere -	- mehrere -	5982,849	6332,40	z.T. Transparent - Fest Kollision
68	R06	349,55		XTL_R06_Wasser_D00000000789833	Lattice_V8.2_B2_DG2_D00000001197423	- mehrere -	BB.DG2_D00000001058013	44488	44837,55	Transparent - Fest Kollision
69	R07	401,55		XTL_R07_Bauwerk_D00000000797693	XTL_R07_Sicherheit_D00000000790843	XTL_R07_Waende_L-2_D00000000797713	Rauchansaugsystem_D00000000525483	4500	4901,55	
70	R07	401,55		XTL_R07_Sicherheit_D00000000790843	XTL_R07_Wasser_D00000000789843	Rauchansaugsystem_D00000000525483	Boden_VE30-SE000474064_D00000002225652	4500	4901,55	
71	R07	401,55		XTL_R07_Transport_D00000000790343	XTL_R07_WP38_Personnel_Interlock_D00000001090823	Transportweg_XTL_ph-SE000309183_D00000002342772	- mehrere -	0	401,55	Transparent - Fest Kollision; vgl. 62; 85; 86

72	R07	401,55		XTL_R07_Vermessung_D00000000790293	XTL_R07_WP38_Personnel_Interlock_D00000001090823	- mehrere -	- mehrere -	0	401,55	Transparent - Fest Kollision; vgl. 35
73	R07	401,55		XTL_R07_Wasser_D00000000789843	XTL_R07_WP16_Lattice_D00000000810483	- mehrere -	- mehrere -	23849,1	24250,65	z.T. Transparent - Fest Kollision
74	R07	401,55		XTL_R07_Wasser_D00000000789843	XTL_R07_WP16_Lattice_D00000000810483	- mehrere -	- mehrere -	27756,15	28157,70	
75	R08	453,55	R33; R35; R36	XTL_R08_Bauwerk_D00000000797483	XTL_R08_WP02_LLRF_D00000000875423	Fussbodenplatten_Typ10_D00000002243372	- mehrere -	16955,7	17409,25	
76	R08	453,55		XTL_R08_Bauwerk_D00000000797483	XTL_R08_WP20_Beam-Dumps_D00000000859173	XTL_R08_Waende_L-1_D00000000797583	- mehrere -	23565,04	24018,59	
77	R08	453,55		XTL_R08_E-Versorgung_D00000000792853	XTL_R08_WP01_RF-System_D00000000814203	XTL_R08_Schraenke-SE000299334_D00000001084353	- mehrere -	46000	46453,55	
78	R08	453,55	R09	XTL_R08_Maschine_D00000000791493	XTL_R08_Wasser_D00000000789853	Pumpstand_fuer_Isoliervakuum--XTL_Maschine_03_57_D00000000174277	PH_Trasse-envelope-SE000270443_D00000002226702	19655,86	20109,41	
79	R08	453,55	R35; R36	XTL_R08_Wasser_D00000000789853	XTL_R08_WP02_LLRF_D00000000875423	- mehrere -	- mehrere -	34660	35113,55	
80	R08	453,55		XTL_R08_WP13_Cryogenics_D00000000814213	XTL_R08_WP16_Lattice_D00000000810473	Pipe_DN700-SE000288192_D00000002104332	- mehrere -	234,1	687,65	z.T. Transparent - Fest Kollision
81	R09	505,55	R10	XTL_R09_Maschine_D00000000791473	XTL_R09_WP13_Cryogenics_D00000000814653	Pumpstand-Bauraum_D00000000723023	Module_envelope_Placeholder-SE000325455_D00000002103282	16402,65	16908,20	
82	R09	505,55		XTL_R09_Racks_D00000001169593	XTL_R09_WP01_RF-System_D00000000814663	Racks_3_Units_D00000001138043	Trafo_XTL-SE000273446_D00000001686392	2154,849	2660,40	
83	R09	505,55	R13	XTL_R09_Wasser_D00000000789863	XTL_R09_WP01_RF-System_D00000000814663	PH_VE30-KW20_Typ-M-SE000401960Duplicate3_D00000000963093	Trafo_XTL-SE000273446_D00000001686392	7208	7713,55	z.T. Transparent - Fest Kollision
84	R10	609,55		XTL_R10_Sicherheit_D00000000790873	XTL_R10_WP13_Cryogenics_D00000000814733	Rauchansaugsystem_D00000000525483	Deckenra_m_Konsolen-SE000315429_D00000000938423	4842,8	5452,35	
85	R10	609,55		XTL_R10_E-Versorgung_D00000000792873	XTL_R10_WP01_RF-System_D00000000814743	XTL_R10_Schraenke-SE000299828_D00000001076023	- mehrere -	42000	42609,55	vgl. 62; 77; 86
86	R12	661,55		XTL_R12_E-Versorgung_D00000000792893	XTL_R12_WP01_HF-System_D00000000814933	XTL_R12_Schraenke-SE000299881_D00000001100613	Klystron_XTL-SE000273438_D00000001686402	37000	37661,55	vgl. 62; 77; 85
87	R12	661,55		XTL_R12_E-Versorgung_D00000000792893	XTL_R12_WP36_General_Safety	- mehrere -	- mehrere -	9525	10186,55	z.T. Transparent - Fest Kollision
88	R12	661,55		XTL_R12_Maschine_D00000000791413	XTL_R12_Racks_D00000001169503	Pumpstand-Bauraum_D00000000723023	Racks_3_Units_D00000001138043	7168	7829,55	
89	R12	661,55		XTL_R12_Maschine_D00000000791413	XTL_R12_WP36_General_Safety	Strahlumhuellende_R12_D00000000814943	- mehrere -	9525	10186,55	z.T. Transparent - Fest Kollision
90	R12	661,55		XTL_R12_Racks_D00000001169503	XTL_R12_WP36_General_Safety	Racks_3_Units_D00000001138043	- mehrere -	9525	10186,55	z.T. Transparent - Fest Kollision
91	R12	661,55		XTL_R12_Sicherheit_D00000000790893	XTL_R12_WP36_General_Safety	Rauchansaugsystem_D00000000525483	- mehrere -	9525	10186,55	z.T. Transparent - Fest Kollision
92	R12	661,55		XTL_R12_Vermessung_D00000000790243	XTL_R12_WP36_General_Safety	Vermessung_XTL_R12-SE000283732_D00000000963403	- mehrere -	9525	10186,55	Transparent - Treansparent Kollision; z.T. Transparent - Fest Kollision
93	R12	661,55		XTL_R12_WP01_HF-System_D00000000814933	XTL_R12_WP36_General_Safety	Circulator-WFHI3-16-SE000147838_D00000000920843	Brandschutzwand_maintenance_2	11326,9	11988,45	Transparent - Fest Kollision
94	R12	661,55		XTL_R12_WP13_Cryogenics_D00000000814923	XTL_R12_WP36_General_Safety	- mehrere -	- mehrere -	9525	10186,55	z.T. Transparent - Fest Kollision
95	R12	661,55		XTL_R12_WP34_IT_D00000001072353	XTL_R12_WP36_General_Safety	- mehrere -	- mehrere -	9525	10186,55	z.T. Transparent - Fest Kollision
96	R12	661,55		XTL_R12_WP38_Personnel_Interlock_D0000001100693	XTL_R12_WP36_General_Safety	- mehrere -	- mehrere -	9525	10186,55	z.T. Transparent - Fest Kollision
97	R13	713,55	R31	XTL_R13_Bauwerk_D00000000796433	XTL_R13_Wasser_D00000000789903	Fussbodenplatten_Typ10_D00000002243372	PH_KK_kompl-SE000310488_D00000000954253	43800	44513,55	
98	R13	713,55		XTL_R13_Bauwerk_D00000000796433	XTL_R13_WP13_Cryogenics_D00000000827643	XTL_R13_Aussenwaende_D00000000796603	TR_Unterstuetzen_DN200-SE0003271959_D00000001048633	1600	2313,55	Bohrung
99	R13	713,55	R40	XTL_R13_E-Versorgung_D00000000792903	XTL_R13_Wasser_D00000000789903	Elektrant_75x90x20-SE000299129_D00000002193462	Klystron-Kompressor_maintenance-SE000401610Duplicate86_D00000001776502	26734	27447,55	Transparent - Fest Kollision
100	R31	1649,55	R33	XTL_R31_Bauwerk_D00000000787053	XTL_R31_WP32_Vermessung_D00000001123883	XTL_R31_Waende_AW_D00000000787243	Vermessung_XTL_R31-SE000297668_D00000001123903	0	1649,55	Transparent - Fest Kollision
101	R31	1649,55		XTL_R31_W02_LLRF_D00000001125183	XTL_R31_WP34_IT_D00000001073603	XTL_R31_WP02_Sync_Cables_D00000001125193	- mehrere -	0	1649,55	
102	R32	1678,59	R33 - R40	XTL_R32_E-Versorgung_D00000000786693	XTL_R32_WP13_Cryogenics_D00000000899323	XTL_R32-Pritschen-oberhalb01-SE000355189_D00000000981383	- mehrere -	0	1678,59	
103	R32	1678,59	R34	XTL_R32_E-Versorgung_D00000000786693	XTL_R32_WP34_IT_D00000001073913	XTL_R32-Pritschen-oberhalb01-	- mehrere -	750	2428,59	

						SE000355189_D00000000981383				
104	R32	1678,59		XTL_R32_WP16_Lattice_D00000000810233	XTL_R32_WP16_Lattice_D00000000810233	OTRB.DG2_D00000001057723	BL.DG2_D00000001057493	9947,456	11626,04	Transparent - Fest Kollision (2x auch bei z = 45941,89)
105	R33	1741,78		XTL_R33_Bauwerk_D00000000785863	XTL_R33_Wasser_D00000000785733	XTL_R33_Waende_L-1_D00000000785963	PH_KK_kompl-SE000310854_D00000001131553	29978,74	31720,52	
106	R33	1741,78	R35 - R40	XTL_R33_E-Versorgung_D00000000785853	XTL_R33_Vermessung_D00000000785743	Pritsche_Klima-SE000435517_D00000001027883	Vermessung_XTL_R33-SE000297804_D00000001124863	0	1741,78	Transparent - Fest Kollision
107	R33	1741,78	R35 - R37	XTL_R33_Vermessung_D00000000785743	XTL_R33_WP19_Vakuum_D00000001254483	Vermessung_XTL_R33-SE000297804_D00000001124863	- mehrere -	0	1741,78	Transparent - Fest Kollision (vgl. 115)
108	R33	1741,78		XTL_R33_WP16_Lattice_D00000000810223	XTL_R33_WP19_Vakuum_D00000001254483	BPMA.DG2_D00000001057993	BPMA-SE0004315584_D00000001255103	21558,54	23300,32	Doppelte Teile (3x auch bei z = 25558,51 & bei z = 35463,63)
109	R33	1741,78		XTL_R33_WP16_Lattice_D00000000810223	XTL_R33_WP19_Vakuum_D00000001254483	- mehrere -	TORA-SE000473683_D00000001255143	22551,74	24293,52	Doppelte Teile (3x auch bei z = 25558,51 & bei z = 35463,63)
110	R34	1785,83		XTL_R34_E-Versorgung_D00000000785503	XTL_R34_Wasser_D00000000785383	XTL_R34-8Pritschen-oberhalb-SE000337694_D00000000981613	PH_Trasse-oben-SE000310921_D00000002662222	30771,78	32557,61	Transparent - Fest Kollision
111	R35	1849,07	R36	XTL_R35_Maschine_D00000000785083	XTL_R35_Transport_D00000000785053	Strahlumhuellende_D1000x52m_D00000001280252	Transport_XTL_R35_ph-SE000479026_D00000001207673	0	1849,07	Transparent - Transparent Kollision
112	R37	1953,07		XTL_R37_Wasser_D00000000784333	XTL_R37_WP19_Vacuum_TLD_D00000001213793	PH_76-SE000570515_D00000001253273	XTL_R37_Vakuum_TLD-2012-07-17_D00000001213803	50824,17	52777,24	Transparent - Fest Kollision
113	R37	1953,07	R38	XTL_R37_Transport_D00000000784353	XTL_R37_WP16_Lattice_D00000000810183	Transportweg_XTL_R33_ph-SE000479007_D00000002526872	OTRC.Bauraum_D00000002113182	24643,79	26596,86	Transparent - Transparent(?) Kollision
114	R38	2005,07		XTL_R38_E-Versorgung_D00000000784103	XTL_R38_WP19_Warm_Vacuum_D00000000871983	XTL_R38_Schraenke-SE000299824_D00000001027053	Dummy_Rohrstuetze_Boden_XTL-SE000513975_4_D00000002529052	3520,20	5525,27	
115	R38	2005,07	R39; R40	XTL_R38_Vermessung_D00000000783993	XTL_R38_WP19_Warm_Vacuum_D00000000871983	maintenance_ph_Justierung_XTL_R38-SE000388193_D00000002217452	- mehrere -	0	2005,07	Transparent - Fest Kollision (vgl. 107)
116	R39	2039,06	R40	XTL_R39_WP16_Lattice_D00000000810163	XTL_R39_WP19_Warm_Vacuum_D00000001154423	BPMA.DG2_D00000001057993	Beam Pipe - 3710_5_D00000002546402	1435,98	3475,04	(4x auch bei z = 1595,00, z = 5734,00, z = 6659,51)
117	R39	2039,06	R40	XTL_R39_WP16_Lattice_D00000000810163	XTL_R39_WP19_Warm_Vacuum_D00000001154423	XBD-H-DG2-SE000436993.stp_D00000001015213	- mehrere -	208,78	2247,84	(2x auch bei z = 1212,32)
118	R39	2039,06		XTL_R39_Bauwerk_D00000000783433	XTL_R39_E-Versorgung_D00000000783643	XTL_R39_Waende_AW_D00000000783623	Pritsche29036_Klima-SE000442689_D00000002060462	8200,00	10239,06	
119	R39	2039,06	R40	XTL_R39_Bauwerk_D00000000783433	XTL_R39_E-Versorgung_D00000000783643	XTL_R39_Level-2_D00000000783443	XTL_R39-Pritschen-unten-m-SE000339166_D00000001026973	0,00	2039,06	
120	R39	2039,06	R40	XTL_R39_Bauwerk_D00000000783433	XTL_R39_Sicherheit_D00000000783703	XTL_R39_Waende_AW_D00000000783623	XTL_R39_Fluchtweg_ph-SE000486628_D00000002546452	0,00	2039,06	Transparent - Fest Kollision
121	R39	2039,06		XTL_R39_Bauwerk_D00000000783433	XTL_R39_Vermessung_D00000000783763	XTL_R39_Waende_AW_D00000000783623	- mehrere -	0,00	2039,06	Transparent - Fest Kollision (vorne & hinten)
122	R39	2039,06	R40	XTL_R39_Bauwerk_D00000000783433	XTL_R39_Wasser_D00000000783773	- mehrere -	- mehrere -	0,00	2039,06	Transparent(?) - Fest Kollision
123	R39	2039,06		XTL_R39_Bauwerk_D00000000783433	XTL_R39_WP13_Cryogenics_D00000000899593	XTL_R39_Waende_AW_D00000000783623	- mehrere -	1500,30	3539,36	
124	R39	2039,06		XTL_R39_Bauwerk_D00000000783433	XTL_R39_WP38_Personnel_Interlock_D00000001125223	XTL_R39_Waende_AW_D00000000783623	Lautsprecher_Kabelrohr_D00000001530022	1546,85	3585,90	
125	R40	2048,06		XTL_R40_E-Versorgung_D00000000783123	XTL_R40_WP38_Personnel_Interlock_D00000001125353	Pritsche_Klima-SE000427967_D00000002060642	Personnel_Interlock_Links_D00000000876403	49875,00	51923,06	z.T. Transparent - Fest Kollision
126	R40	2048,06		XTL_R40_WP16_Lattice_D00000000810153	XTL_R40_WP19_Warm_Vacuum_D00000001154823	BZ.DG2_D00000001056853	MBG Inline_Ion_Pump_D00000002538782	694,73	2742,78	
127	R40	2048,06		XTL_R40_WP16_Lattice_D00000000810153	XTL_R40_WP19_Warm_Vacuum_D00000001154823	XQF_DG2_D00000000931213	Beam Pipe - 6920_D00000002538612	23705,89	25753,9477	(2x auch bei z = 38749,29)
128	R40	2048,06		XTL_R40_WP16_Lattice_D00000000810153	XTL_R40_WP19_Warm_Vacuum_D00000001154823	XBV-DG2-SE000411826_D00000000974993	XTL_R40_Vakuum_TLD-2012-07-17_D00000001214253	38060,93	40108,9877	(6x auch bei z = 40571,74, z = 41056,24, z = 43561,06, z = 44046,13, z = 46544,18)

Neue Version (nur Kollisionen mit Lattice)

Index#	Raum (XTL_)	z (Raum)	Weitere Räume (XTL_)	Gewerk 1	Gewerk 2	Gewerk 1 (Detail)	Gewerk 2 (Detail)	z (lokal)	z (absolut)	Kollisionstyp / Bemerkungen
34	R10	609,55	R01 - R11; R31 - R40	XTL_R10_WP16_Lattice_D00000000810453	XTL_R10_Vermessung_D00000000790263	- mehrere -	maintenance_ph_Justierung_XTL_R10-SE000351367_D00000002166752	77,42	686,97	Transparent - Fest Kollision
129	R08	453,55		XTL_R08_WP16_Lattice_D00000000810473	XTL_R08_WP20_Beam-Dumps_D00000000859173	- mehrere -	BC2_placeholder_tolerances_D00000001460952	23975,04	24428,59	
130	R08	453,55		XTL_R08_WP16_Lattice_D00000000810473	XTL_R08_WP13_Cryogenics_D00000000814213	XFEL OTR/WS-Platzhalter-Box--130_01_60_05_D00000001385772	Pipe_DN700-SE000288192_D00000002104332	234,02	687,57	Transparent - Fest Kollision (3x)
130	R08	453,55		XTL_R08_WP16_Lattice_D00000000810473	XTL_R08_WP13_Cryogenics_D00000000814213	CRD.225.B1/461.B2/1883.CL_D00000001729952	- mehrere -	8979,02	9432,57	
131	R08	453,55	R01 - R03; R06; R11	XTL_R08_WP16_Lattice_D00000000810473	XTL_R08_WP13_Cryogenics_D00000000814213	CFB.DG2_D00000001057033	- mehrere -	20937,9	21391,45	wahrscheinlich irrelevant
137	R08	453,55		XTL_R08_WP16_Lattice_D00000000810473	XTL_R08_WP02_LLRF_D00000000875423	Racks_n_Shield_3800_D00000000873643	OTRA.DG2_D00000001057983	19590,91	20044,46	Transparent - Fest Kollision
145	R07	401,55	R01 - R03; R06	XTL_R07_WP16_Lattice_D00000000810483	XTL_R07_Transport_D00000000790343	- mehrere -	Transportweg_XTL_ph-SE000309183_D00000002342772	3199,7	3601,25	Transparent - Fest Kollision
132	R07	401,55	R03	XTL_R07_WP16_Lattice_D00000000810483	XTL_R07_Wasser_D00000000789843	- mehrere -	- mehrere -	23877,52	24279,07	z.t. Transparent - Transparent Kollisionen (bei 23877,52 & 44809,02)
133	R06	349,55	R01	XTL_R06_WP16_Lattice_D00000000810493	XTL_R06_Wasser_D00000000789833	BB.DG2_D00000001058013	PH_14_200_verlaengert-SE000570465_D00000001253163	44288	44637,55	Transparent - Fest Kollision
134	R31	1649,55		Lattice_V8.3_L3_DG2_D00000001274463	XTL_R31_WP36_General_Safety_D00000001152223	BPMA.DG2_D00000001057993	Brandschutzwand_maintenance_2_D00000002315542	2375	4024,55	Transparent - Fest Kollision
135	R32	1678,59		Lattice_V8.3_L3_DG2_D00000001274463	XTL_R32_WP19_Vakuum_D00000001255283	- mehrere -	- mehrere -	3199,171	4877,7573	diverse Kollisionen über die gesamte Länge verteilt
113	R37	1953,07	R38	XTL_R37_WP16_Lattice_D00000000810183	XTL_R37_Transport_D00000000784353	OTRC.Bauraum_D00000002113182	Transportweg_XTL_R33_ph-SE000479007_D00000002526872	24643,79	26596,86	Transparent - Transparent(?) Kollision
136	R37	1953,07	R38; R39; R40	XTL_R37_WP16_Lattice_D00000000810183	XTL_R37_WP19_Vacuum_TLD_D00000001213793	- mehrere -	- mehrere -	41737,45	43690,5159	
138	R31	1649,55	R33	XTL_R31_WP16_Lattice_D00000000810243	XTL_R31_WP19_Vakuum_D00000001256243	- mehrere -	- mehrere -	3216,873	4866,423	Versatz, ACHTUNG! Vakuum BG von 2011
139	R03	193,55	R02	Lattice_V8.3_B1.DG2_D00000001275233	XTL_R03_Racks_D00000001076263	PYRO-Box_D00000001759152	Rack_2_Units_D00000001076273	12450	12643,55	
140	R03	193,55		Lattice_V8.3_B1.DG2_D00000001275233	XTL_R03_Racks_D00000001076263	KAY.DG2_D00000001275253	Rack_2_Units_D00000001076273	21000,65	21194,2	mehrfach (4x)
141	R03	193,55		Lattice_V8.3_B1D.DG2_D00000001275213	XTL_R03_Wasser_D00000000781943	- mehrere -	XTL-R03_Dumpbereich_237-SE000603477_D00000001293993	40243,6	40437,15	
142	R03	193,55		Lattice_V8.3_B1D.DG2_D00000001275213	XTL_R03_WP20_Beam-Dump_D00000000858993	DUMP_1000_D00000001261472	- mehrere -	43482,61	43676,16	wahrscheinlich irrelevant
41	R03	193,55		Lattice_V8.3_B1.DG2_D00000001275233	XTL_R03_WP13_Cryogenics_D00000000812023	OTRB.DG2_D00000001057723	SUSPENSION_DUMMY_CRYO_BC1-SE0002855343_D00000001051953	31190,5	31384,05	Transparent - Fest Kollision
143	R03	193,55		Lattice_V8.3_B1.DG2_D00000001275233	XTL_R03_WP13_Cryogenics_D00000000812023	CRD.DG2_D00000001057703	Pipe_DN700_BC1-SE000286281_D00000002107722	33328,62	33522,17	
144	R03	193,55	R01; R02	Lattice_V8.3_L2.DG2_D00000001275113	XTL_R03_WP13_Cryogenics_D00000000812023	C.DG2_D00000001274853	Module_envelope_Placeholder-SE000325455_D00000002107762	45045,22	45238,77	wahrscheinlich irrelevant (6x)

146	R01	89,55		Lattice_V8.3_I1.DG2_D00000001274813	XTL_R01_WP13_Cryogenics_D00000000811933	SRM.DG2_D00000001057763	Pipe_DN700-SE000285517_D00000002109272	11410,01	11499,56	
147	R01	89,55		Lattice_V8.3_I1.DG2_D00000001274813	XTL_R01_Bauwerk_D00000000708093	OTRS.DG2_D00000001057773	XTL_Brandabschnitt_D00000001253643	10036,82	10126,37	wahrscheinlich irrelevant
148	R11	609,5500		XTL_R11_WP16_Lattice_D00000000810443	XTL_R11_WP03_Accelerator_Module_D0000001317243	CSC.DG2_D00000001057003	placeholder_cryomodule_typ_xfel_D00000000745753	13991,1	14600,65	

Lattice-Lattice Kollisionen

Index#	Raum	z (Raum)	Lattice	Kollisionspartner 1	Kollisionspartner 2	z (lokal)	z (absolut)	Kollisionstyp / Bemerkungen
LA_01	XTL_R33	1741,78	Lattice_V8.2_CL_DG2_D00000001197413	XCF-H-DG2-SE000443991.stp_D00000001020553	TORA.DG2_D00000001057903	22545,43	24287,21	
LA_02	XTL_R38	2005,07	XTL_R38_WP16_Lattice_D00000000810173	OTRC.Bauraum_D00000002113182	SA_DG2_D00000000935543	17644,26	19649,33	Transparent (?) - Fest Kollision
LA_03	XTL_R40	2048,06	XTL_R40_WP16_Lattice_D00000000810153	BZ.DG2_D00000001056853	XQF_DG2_D00000000931213	748,623	2796,68	
LA_04	R04 - R06; R09; R10	557,55	Lattice_V8.3_L3_DG2_D00000001274463	Q.DG2_D00000001057243	CX.DG2_D00000001057233	2993,2	3550,75	mehrfach (VKIC & HKIC)
LA_05	R6	349,55	Lattice_V8.3_B2.DG2_D00000001275193	OTRA.DG2_D00000001057983	BPMF.DG2_D00000001057803	43349,02	43698,57	Transparent - Fest Kollision
LA_06	R32	1678,5863	Lattice_V8.3_CL_DG2_D00000001274153	XQF_DG2_D00000000931213	XQF-Anschluss_ph_D00000001925602	4067,855	5746,4413	mehrfach
LA_07	R32	1678,5863	Lattice_V8.3_CL_DG2_D00000001274153	BL.DG2_D00000001057493	OTRB.DG2_D00000001057723	989,379	2667,9653	mehrfach (Transparent - Fest Kollision)
LA_08	R32	1678,5863	Lattice_V8.3_CL_DG2_D00000001274153	BL.DG2_D00000001057493	BL.DG2_D00000001057493	16399,24	18077,8263	mehrfach
LA_09	R32	1678,5863	Lattice_V8.3_CL_DG2_D00000001274153	XBE-V-DG2-SE000415917.stp_D00000001015553	XBE-V-DG2-SE000415917.stp_D00000001015553	25202,55	26881,1363	mehrfach
LA_11	R02; R03	141,5500	Lattice_V8.3.2_B1_XTL_R02.DG1_D00000001324663	PYR.DG1_D00000001059543	OTRA.DG1_D00000001059653	39308,62	39450,17	Transparent - Fest Kollision
LA_12	R03	193,5500	XTL_R03_WP16_Lattice_D00000000810523	XFEL_TORC_D2--130_01_63_67_D00000000878123	BPMD.DG2_D00000001057663	43140,2	43333,75	
LA_13	R03	194,5500	XTL_R03_WP16_Lattice_D00000000810524	BPMD.DG2_D00000001057663	DUMP.DG2_D00000001057943	43275,44	43469,99	
LA_14	R07; R08	401,5500	XTL_R07_D00000000798403	OTRA.DG2_D00000001057983	QD.DG2_D00000001057853	24219,02	24620,57	Transparent - Fest Kollision
LA_15	R07; R08	401,5500	XTL_R07_D00000000798403	KDY.DG2_D00000001057643	OTRA.DG2_D00000001057983	44809,02	45210,57	
LA_16	R08	453,5500	XTL_R08_WP16_Lattice_D00000000810473	OTRB.DG2_D00000001057723	CRD.DG2_D00000001057703	8479,02	8932,57	Transparent - Fest Kollision
LA_17	R33	1741,7816	Lattice_V8.3.2_CL_XTL_R33.DG2_D00000001326703	CFX.DG2_D00000001057573	TORA.DG2_D00000001057903	22545,43	24287,2116	
LA_18	R34	1785,8304	Lattice_V8.3.2_CL_XTL_R34.DG2_D00000001326683	BL.DG2_D00000001057493	OTRB.DG2_D00000001057723	10670,78	12456,6104	
LA_19	R37; R38	1953,0659	XTL_R37_WP16_Lattice_D00000000810183	BPMD.DG2_D00000001057663	OTRE.DG2_D00000001056483	24828,44	26781,5059	
LA_20	R40	2048,0577	XTL_R40_WP16_Lattice_D00000000810153	QF.DG2_D00000001057583	BZ.DG2_D00000001056853	7481,951	9530,0087	