Lattice Elements

Universe	Branch	Element (0 to 1017)	Base/Model/Design	Apply all changes
1	(0) CESR	(28) Q03W	Model

Q03W

Key	Quadrupole	Type	CSR QUAD CUR 3
s	15.179296779195	Alias	Q03W
s_start	14.579296779195	Description	
Ref time	5.063268419528e-08	is_on	☑

gen_attribs

L	0.6	m	X_PITCH_TOT	0.0
TILT	0.0	rad	Y_PITCH_TOT	0.0
K1	-0.128947	1/m^2	X_OFFSET_TOT	0.0	m
FRINGE_TYPE	None		Y_OFFSET_TOT	0.0	m
FRINGE_AT	Both_Ends		Z_OFFSET_TOT	0.0	m
SPIN_FRINGE_ON	☑		TILT_TOT	0.0	rad
FQ1	0.0	m	N_REF_PASS	0
FQ2	0.0	m	R0_MAG	0.0	m
L_HARD_EDGE	0.6	m	INTEGRATOR_ORDER	2

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Ref time	5.063268419528e-08	is_on	☑

twiss

mode_flip	False	gamma_b	0.3074270301729
beta_a	11.737693799366	phi_b	2.1575075824139
alpha_a	-0.093128247081891	eta_b	-0.0091988663722188
gamma_a	0.08593450192567	etap_b	0.00023063921767467
phi_a	1.5911035730597	eta_x	0.11113741914161
eta_a	0.11113691158378	etap_x	0.063510445009644
etap_a	0.063512034585336	eta_y	-0.009289338288561
beta_b	10.575211709387	etap_y	0.0002556165274911
alpha_b	1.5003685978007		

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Ref time	5.063268419528e-08	is_on	☑

mat6

symplectic_error | 2.2204460492503e-16

mat6	x	px	y	py	z	pz
x	1.0233003866249	0.60465287842538	0.0	0.0	0.0	0.00015494582208529
px	0.077968174714318	1.0233003866249	0.0	0.0	0.0	8.3638576844673e-06
y	0.0	0.0	0.97687918875662	0.59536867060811	0.0	-1.281096306139e-07
py	0.0	0.0	-0.076771003968904	0.97687918875662	0.0	-1.7120046258027e-09
z	3.522104125409e-06	0.00015349888902213	1.1507526650316e-08	-1.2412835810788e-07	1.0	6.4158107661881e-08
pz	0.0	0.0	0.0	0.0	0.0	1.0
vec0	0.0	0.0	0.0	0.0	2.9172269070234e-08	0.0