

	type	quantity	current 1	current 2	voltage	accuracy(ppm)	cost(k\$)/unit	cost(k\$)	comment	rack	height(mm)	mm
extraction	Q	8	100+50	150	20	250(100)	7.5	60	Master slave	rack 1	2x130	
chicane	B	1	3x100	300	20	250(100)	15	15	Master slave	rack 1	3x130	
matching	Q	6	50	50	20	250(100)	3	18		rack 1	3x130	1040
final focus	B	3		200	20	10	40	120	high quality PS	rack 2	3x531	1593
	QD0	1		100	20	10	20	20		rack 3	531	
	QF1	1		50	20	10	10	10		rack 3	531	
	Qhigh quality	2		50	20	10	10	20		rack 3	130	1192
	Qmid quality	12		50	20	250(100)	3	36		rack 4	6x130	
	Sextupole	5		50	20	250(100)	3	15		rack 4	3x130	
	Octupole	2		50	20	250(100)	3	6		rack 4	130	1300
sum 1								320				
	AVR(21kW)	1					10.5	10.5	under inquiry			
	interlock cables	41					0.9	37				
	rack	4					0		to be supplied from Urakawa san			
	air conditioner								to be supplied from Urakawa san			
	control software						0		to be discussed with Terunumasan			
sum 2								47.5				
labor	local company(2 years)							160	installation and labview			
	post doc(2 years)							120	under inquiry			
	PhD student								under inquiry			
	NMR monitor	2						60	realtime monitor			
	RC monitor	1						60	accurate rotating coil			
sum 3								400				
gross total								767.5	realtime monitor			
						(250ppm:catalogue spec.)						
						(100ppm:actual performance)						