Contents

1	Intr	oducti	on	1
2	Gyr		research during the collaboration after 1995	3
	2.1	_	tron development	
		2.1.1	•	
			Development of submillimeter wave gyrotrons	
			Modulations and stabilizations of gyrotron outputs	
	ř		High harmonic and high mode purity operation	
		2.1.2		
	2.2		ring for gyrotron applications	
			Fukui University	
			University of Sydney	
	2.3	Gyrot	ron applications	
		2.3.1	Fukui University	
			Plasma scattering measurement	
			ESR measurement	
		2.3.2	University of Sydney	
			Condensed matter studies	
	2.4	2.4 Other gyrotron topics		
		2.4.1	Fukui University	
		2.4.2	University of Sydney	
			Beams with phase singularities	
	2.5	2.5 Other millimeter-wave work		
		2.5.1	Fukui University	
			Development of high sensitivity detector	
			Parametric decay instability in plasma	
		2.5.2	University of Sydney	
			Diffraction by photo-induced electron-hole plasmas	
			Geometric phase	
3	Loo	king t	o the future	12
•				10
AC	know	ledgem	ients	13
			Complete list of publications, including conference, etc., 995 and after	15
Аp	pendiz	k 2 R	Reprints of journal articles, 1995 and after	59