

Various Parameter Measurements in Dual-ECR Heating on Electron Cyclotron Resonance Ion Source Kouki Iwahara, Takumu Maenaka, Yushi Fujimura, and Yushi Kato

Division of Electrical, Electronic and Inforcommunication Engineering, Graduate School of Engineering, Osaka Univ.

2–1 Yamadaoka, Suita-<mark>sh</mark>i, Osaka 565–0871, Japan

Corresponding author: iwahara@nf.eie.eng.osaka-u.ac.jp

§ 1. Introduction

original

<Rod>

<Dual>=<Rod>+<Coaxial>

beam

Background

W

■ We succeeded in generating multi-charged Ar ions effectively by **Dual-ECR** heating. 2.45 GHz common **Dual-ECR** heating means <Coaxial> we introduced microwaves from both the upstream side (Coaxial) and the downstream side (Rod). < Dual >

Objectives

■ We obtained the relationship between net microwave powers and the beam currents of multi-charged Ar ions

§ 4. Experimental Results





by Rod, Coaxial, and Dual-ECR methods.







