

Numerical study of the effect of secondary electron emission on the dynamics of electron clouds in gyrotron guns

S. Guinchard¹, G. Le Bars²

¹ Ecole Polytechnique Fédérale de Lausanne (EPFL), Physics Section (SPH), CH-1015 Lausanne, Switzerland

² Ecole Polytechnique Fédérale de Lausanne (EPFL), Swiss Plasma Center (SPC), CH-1015 Lausanne, Switzerland

January 10, 2023

I. Introduction

II. Theory

Choosing a model

III. Results

