

Supplementary Table 1: Emission lines of copper used to estimate of the electron density and the plasma temperature. The spectroscopic parameters have been retrieved from the Kurucz database³⁶.

Specie	Wavelength (nm)	A_{ki}	E_i (cm ⁻¹)	E_k (cm-1)	g_i	g_k
Cu I	218.1722	1.12E+08	0	45821	2	2
Cu II	219.2268	3.27E+08	22847.131	68447.741	5	7
Cu I	219.9754	3.14E+08	13245.423	58690.86	4	4
Cu II	221.8108	3.41E+08	22847.131	67916.555	5	3
Cu I	222.5705	4.80E+07	0	44915.61	2	2
Cu II	222.8868	4.11E+08	23998.381	68850.26	3	1