HIGH RESOLUTION LITHIUM LIKE SATELLITES TO THE 1S<sup>2</sup> S<sub>0</sub> - 1s 3p <sup>1</sup>P, LINE IN LASER-PRODUCED DENSE PLASMAS

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The dielectronic satellite lines from the 1s21 3L and 1s31 3L double-excited configurations of lithium-like ions have been studied experimentally and theoretically under dense-plasma conditions. Good agreement between theory and measurements performed in laser-target interactions at 0.53 m wavelength,  $10^{-4}$  W/cm<sup>-2</sup> laser irradiance show that collisional equilibrium conditions are reached between n - 3 singly and double excited levels at electron densities greater than  $10^{-2}$  cm<sup>-3</sup> in Al and Si.