

マイクロソリッドジェットによる超高熱流束噴霧冷却に関する融合計算結果

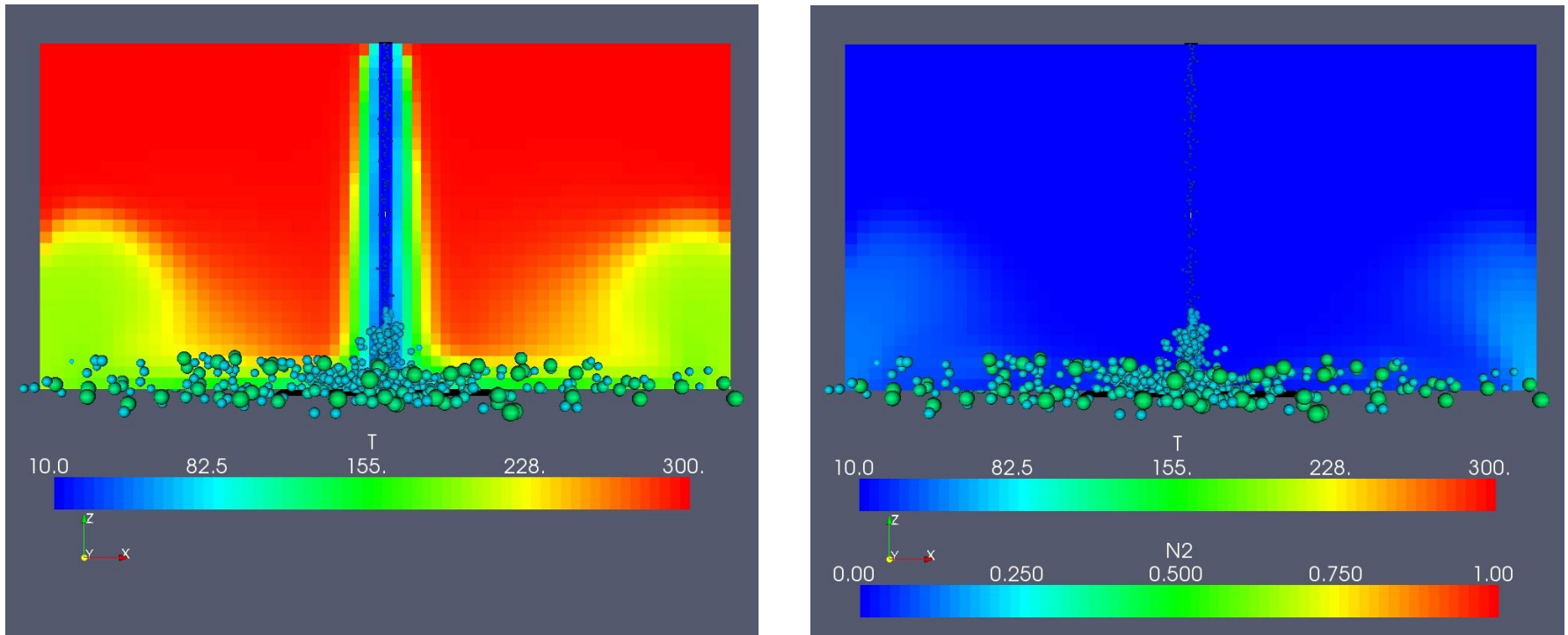


Figure 8. LEFT - temperature of spray parcels and ambient gas, RIGHT - parcels coloured (and sized) according to temperature, ambient gas coloured according to composition of N2. We note the presence of a cold column of GHe emanating from the nozzle and enveloping the spray. If $DpDt$ is included in the enthalpy equation this structure is eventually lost owing the use of relatively large non-sonic timesteps that result in a progressive over-shoot of the velocity.