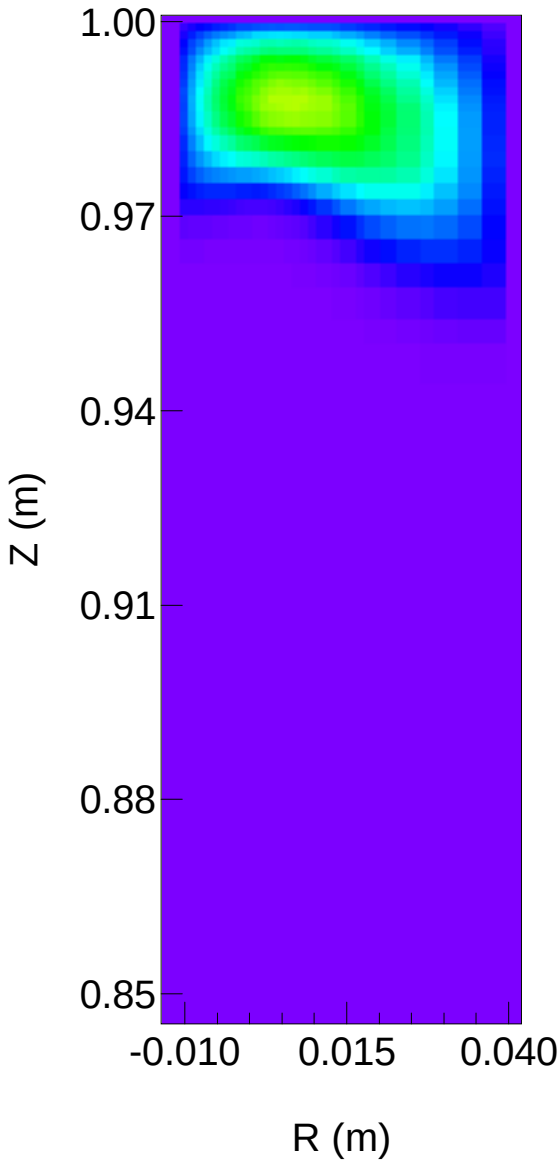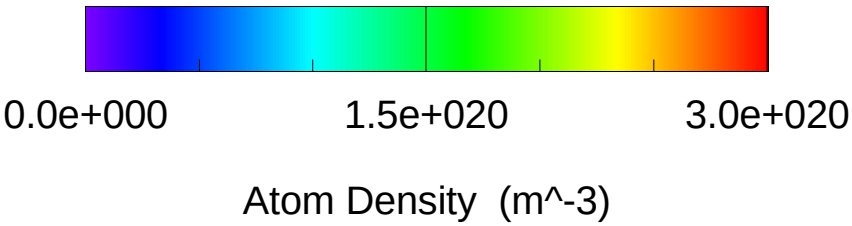DEGAS 2 with Standard Physics