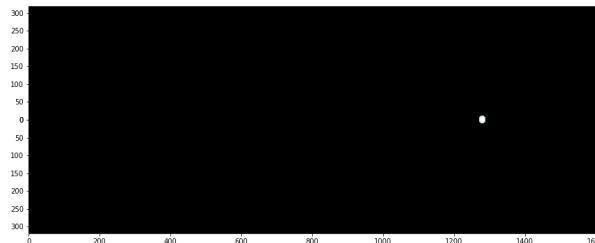
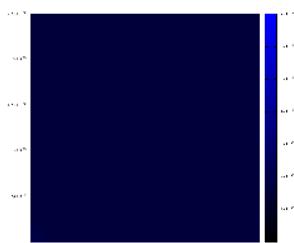
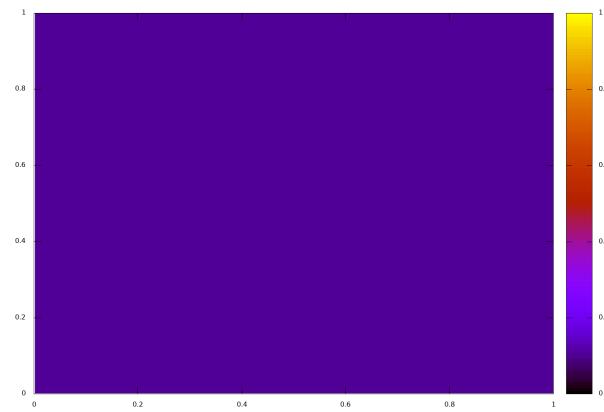


# MHD simulations for Fermi School 2018 presentation

Parameters and visualizations of density

 A 2D density plot showing a single white dot at approximately (1350, 100) on a black background. The x-axis ranges from 0 to 1600, and the y-axis ranges from 0 to 300.	<b>Mira Simulation</b> Resolution nx= 1600 ny= 320 Size x= 1.5e19 cm y=2.4e18 cm Density nmira= 1 cm-3 n interestellar medium = 1 cm-3 Tism= 1e3 k Vism 120e5 Time 1.05e13 s Authors Sonia Cornejo & Leonardo García
 A 2D density plot showing a vertical column of white dots along the right edge, ranging from approximately (150, 300) to (150, 450). The x-axis ranges from 0 to 1600, and the y-axis ranges from 0 to 500.	<b>Super Nova Simulation</b> Resolution nx= 800 ny= 800 Size x= 100 pc y=100 pc Density nism= 1 cm-3 Esn 1e51 Msn 4e33 g Rsn 5 pc Tism 1e4 k Time 1.1e12 s Authors Leonardo García
 A 2D density plot showing a horizontal band of white dots across the center, ranging from approximately (450, 0) to (450, 1000). A color bar on the right indicates density values from 0 (black) to 1 (yellow), with intermediate ticks at 0.2, 0.4, 0.6, and 0.8.	<b>Jet 1 simulation</b> Resolution nx= 1000 ny= 1000 Size x= 1 y=1 Density njet= 0.6 Pressure np= 0.2 Time 10 Authors Leonardo García

