

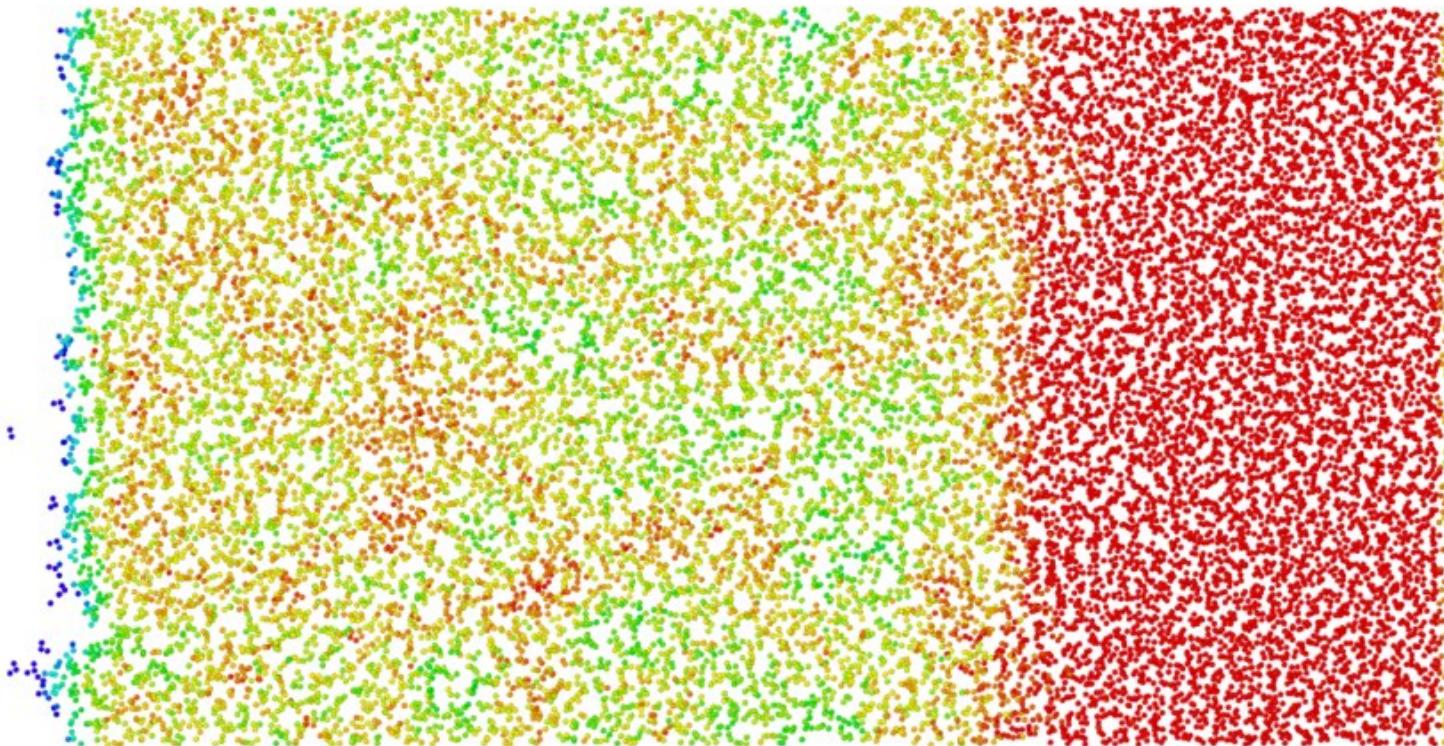


# Shock Simulations: Visualization

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Pankaj Rajak



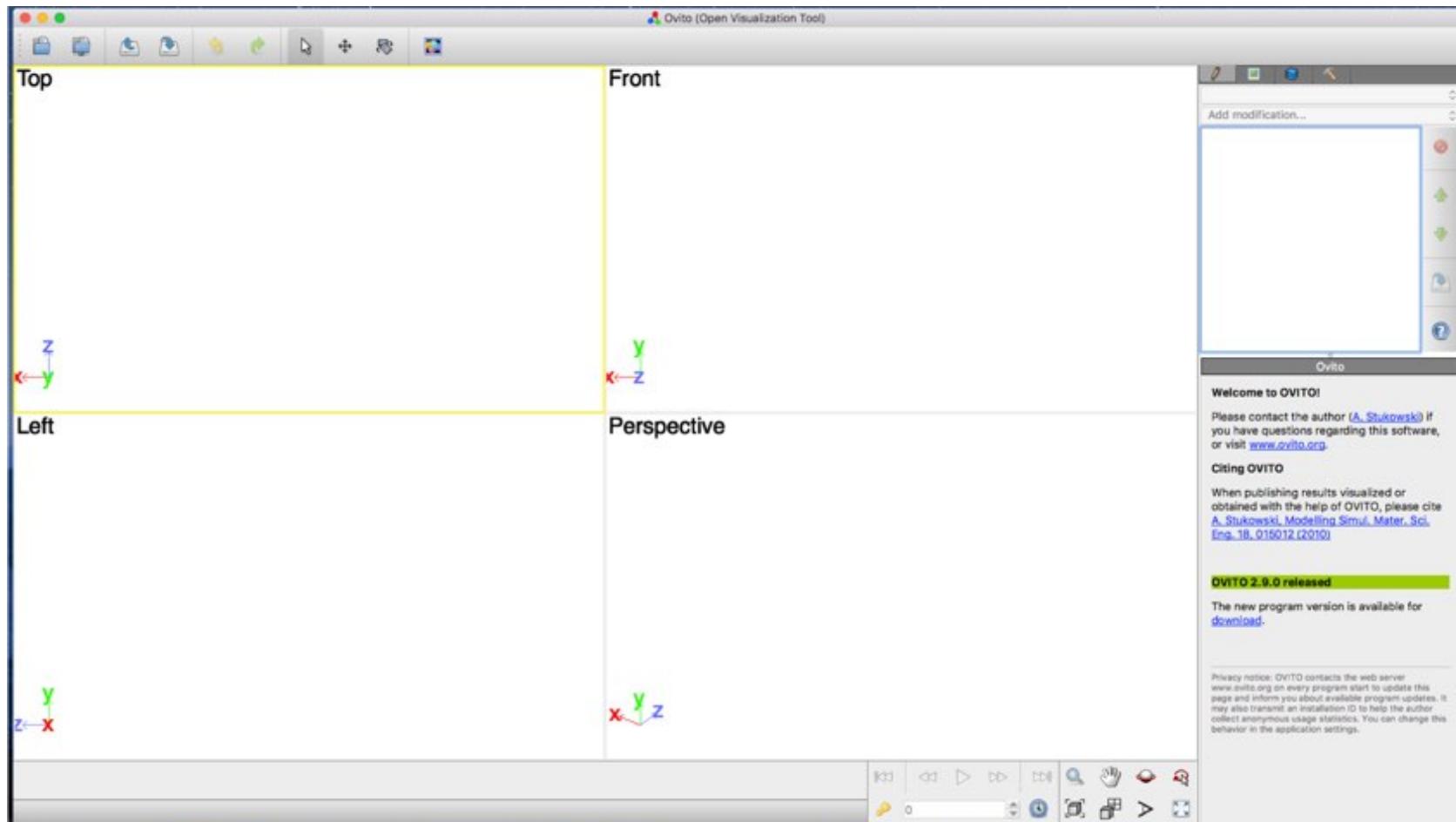
# Outline

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- Do a Shock simulation
- Visualize the output in Ovito

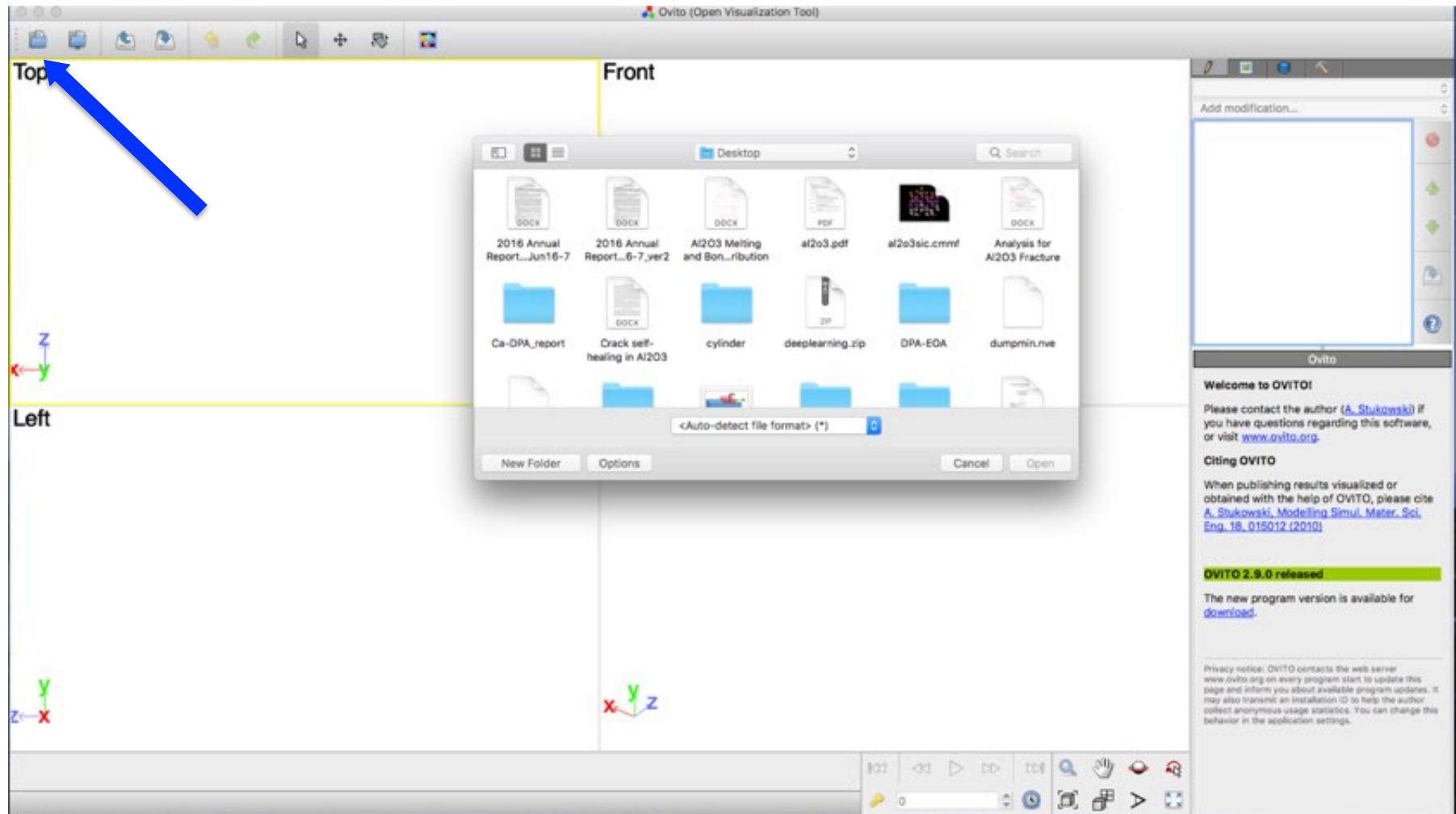
# Ovito Visualization of shock

File to visualize : dumpshock.nve (inside shock folder in your account)



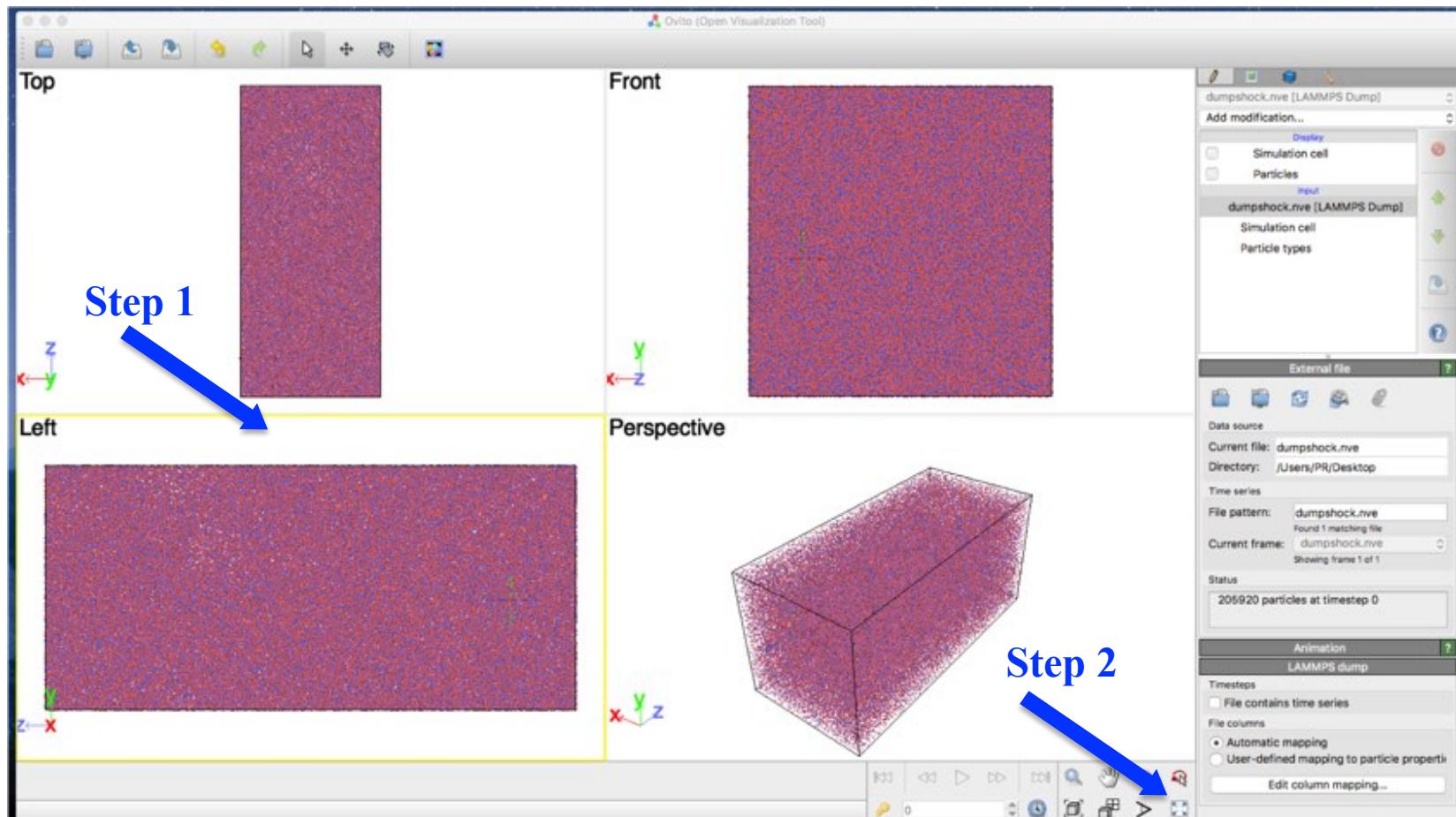
# Ovito Visualization of shock

Click on the highlighted icon to load file



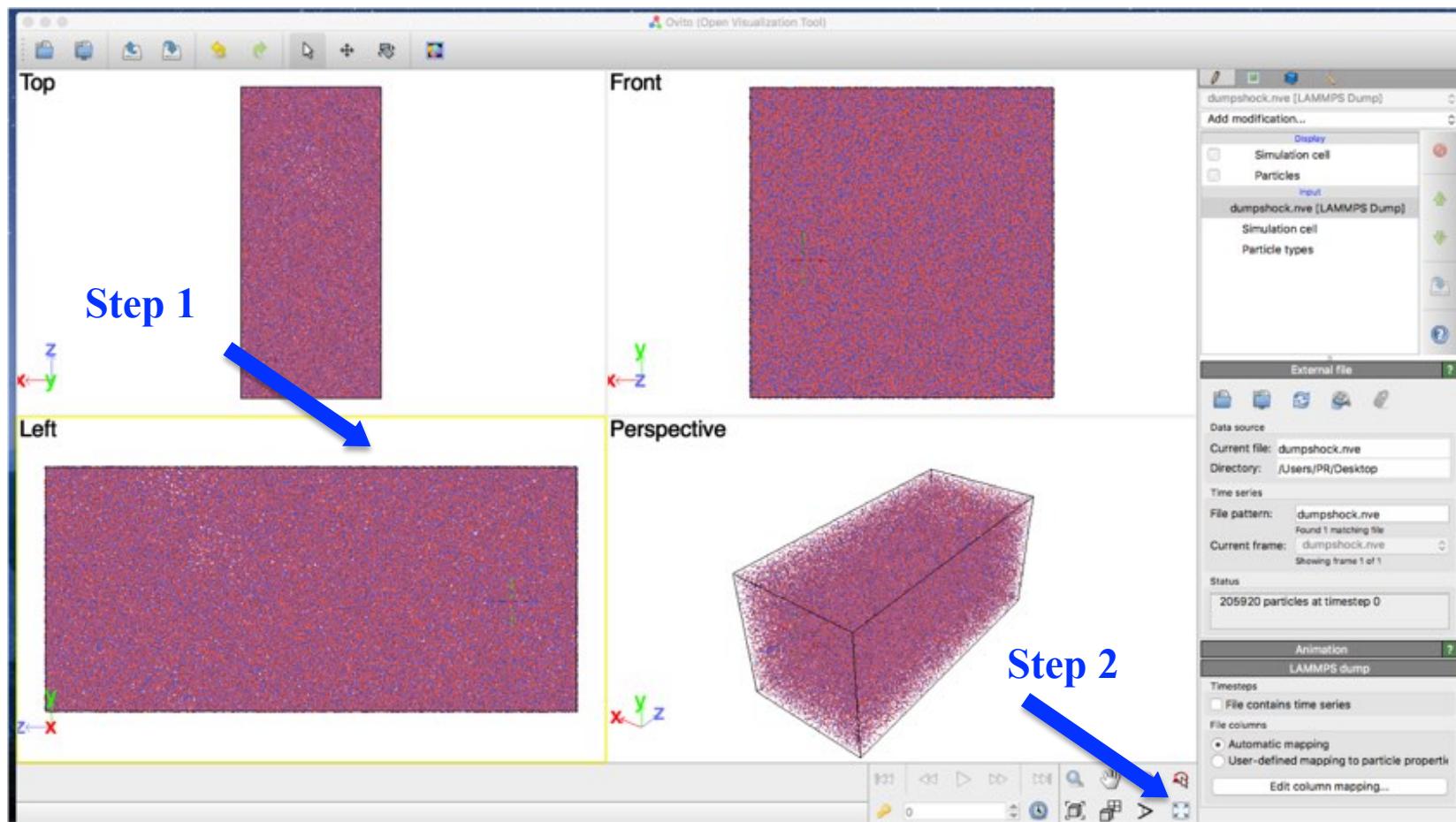
# Ovito Visualization of shock

Click on the highlighted icon to enlarge the window



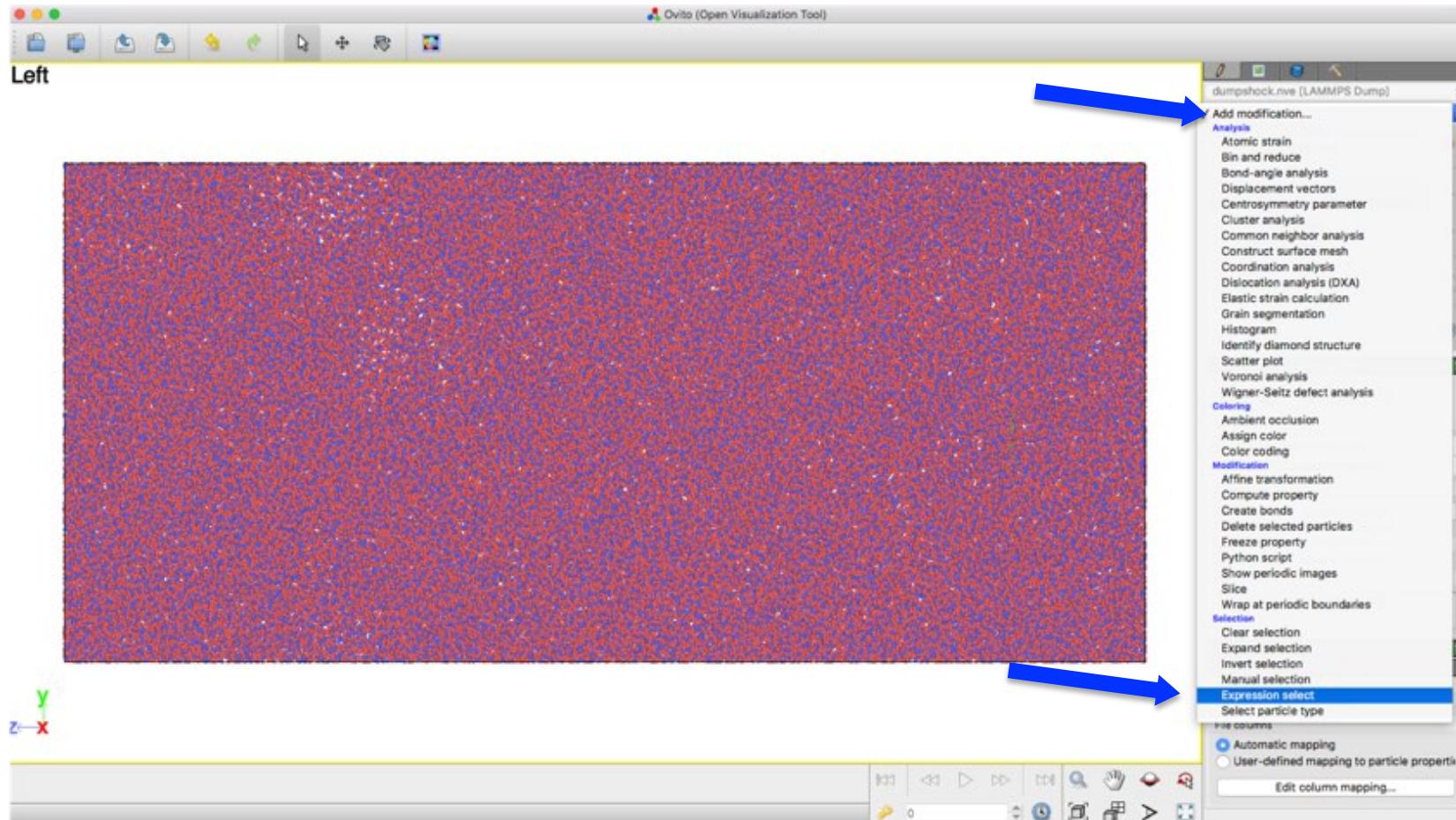
# Ovito Visualization of shock

Click on the highlighted icon to enlarge the window



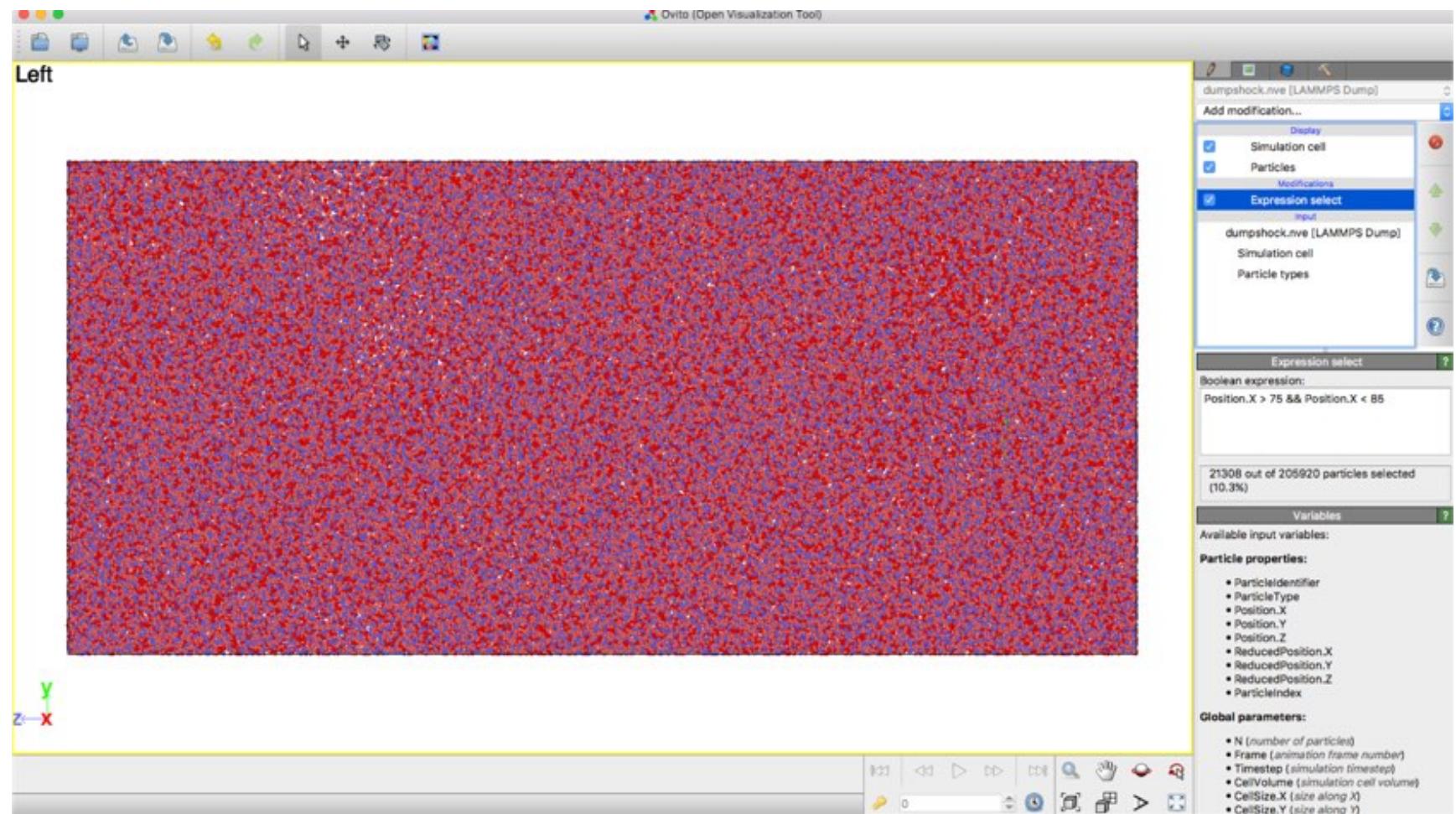
# Ovito Visualization of shock

Make a section using expression select



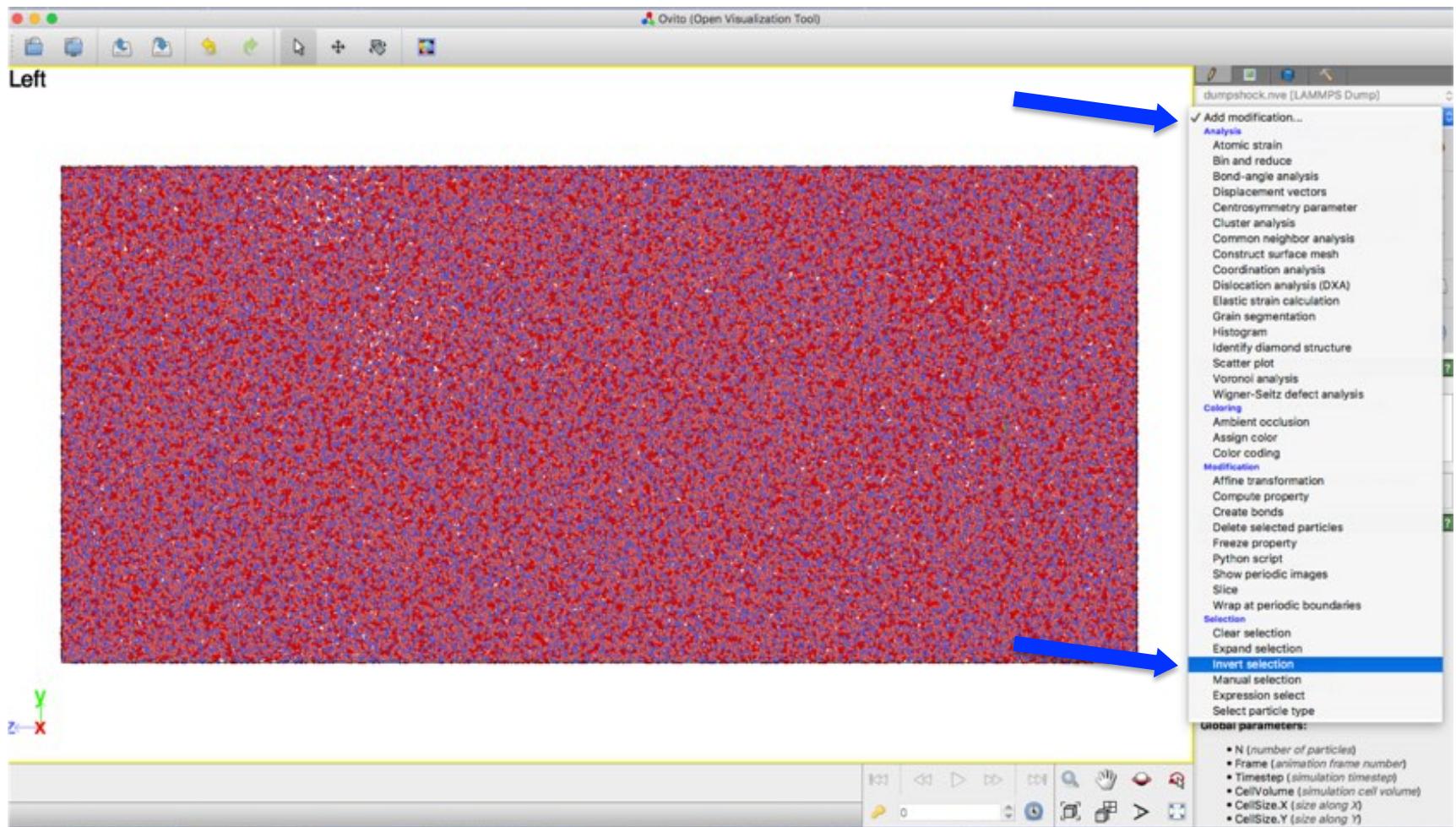
# Ovito Visualization of shock

Type : Position.X > 75 && Position.X < 85



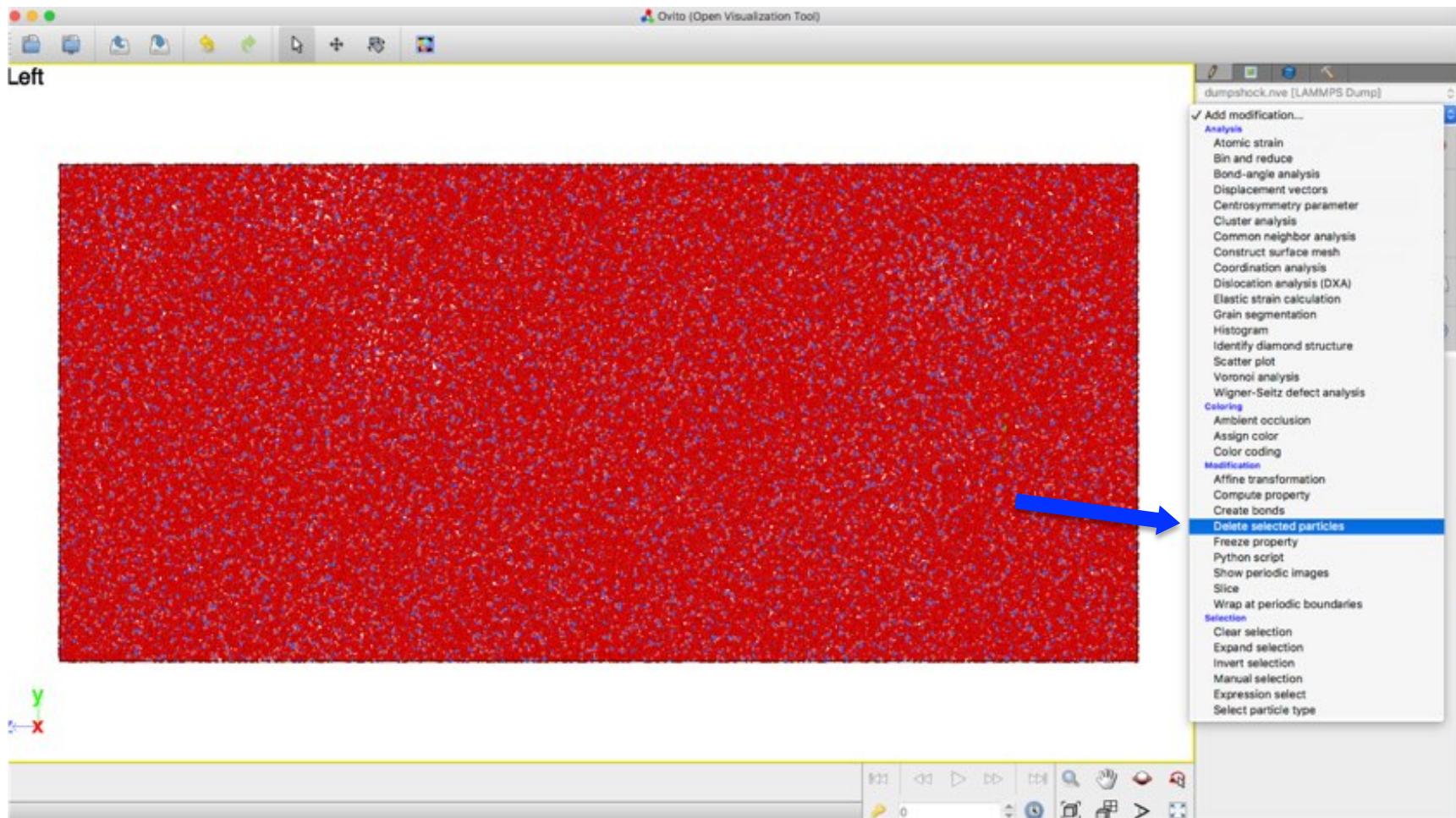
# Ovito Visualization of shock

Do invert selection: Invert selection



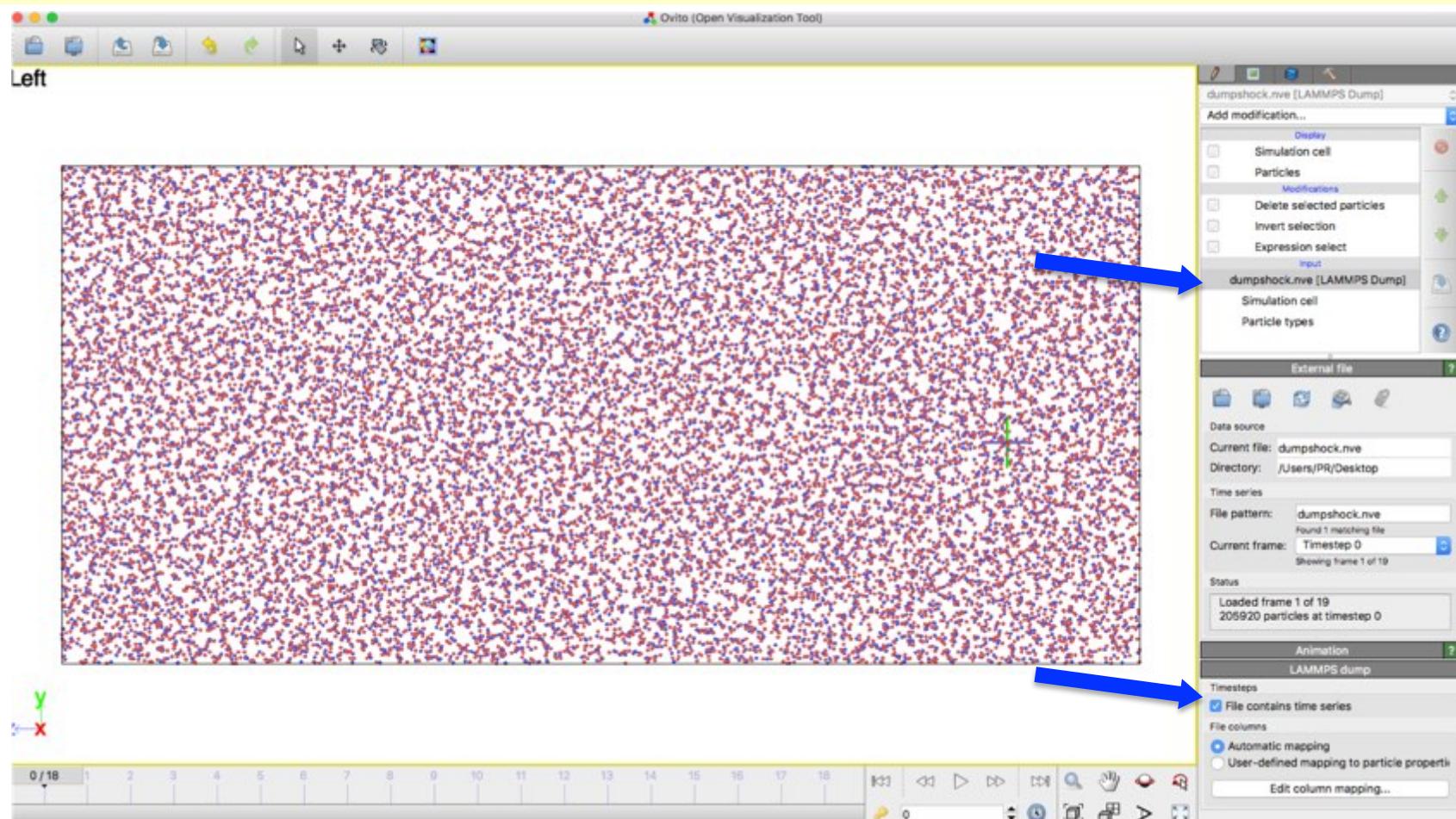
# Ovito Visualization of shock

Delete the selected atoms : Delete Selected atoms



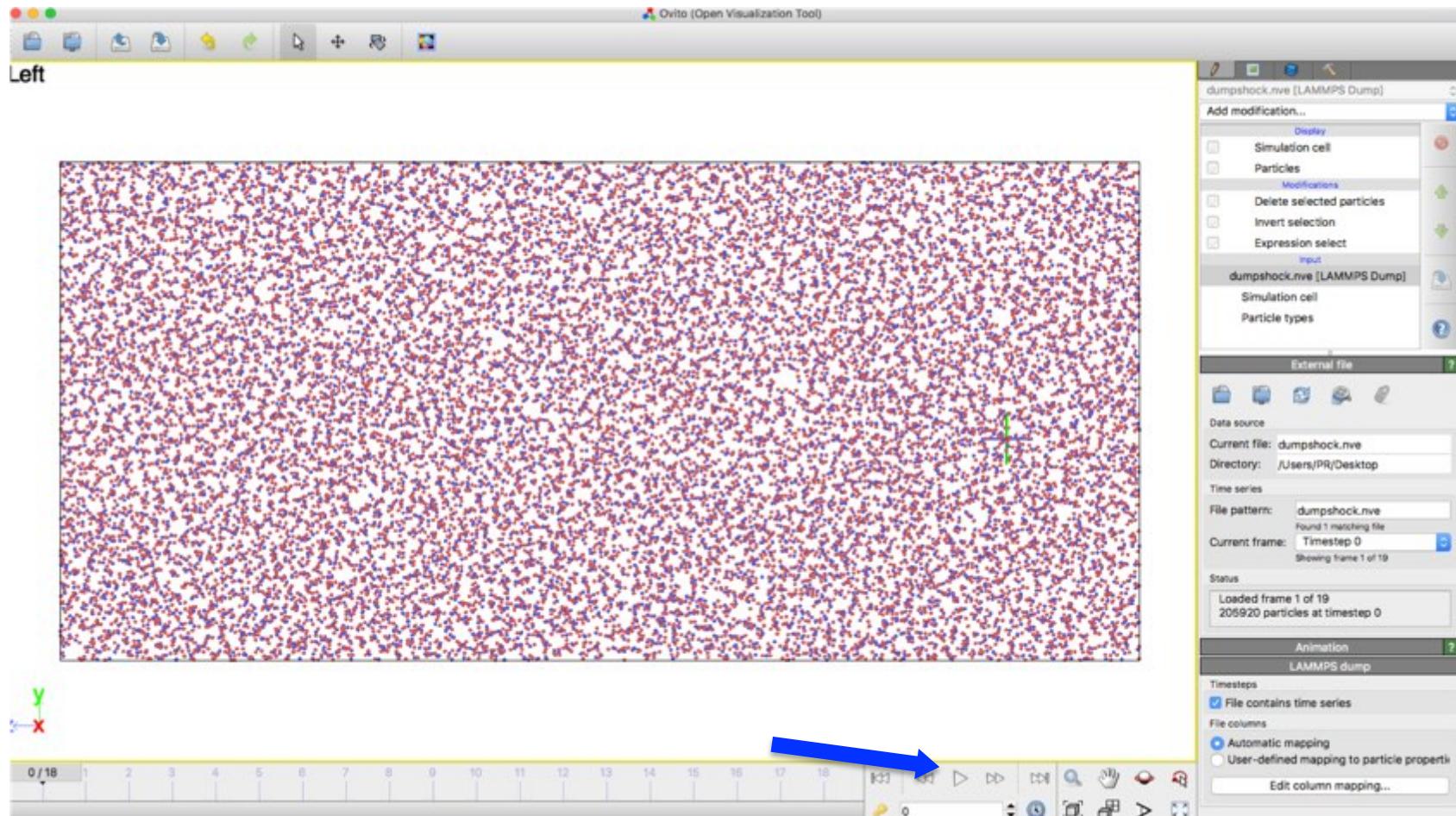
# Ovito Visualization of shock

Click on file name dumpshock.nve and then check  
File contain time series



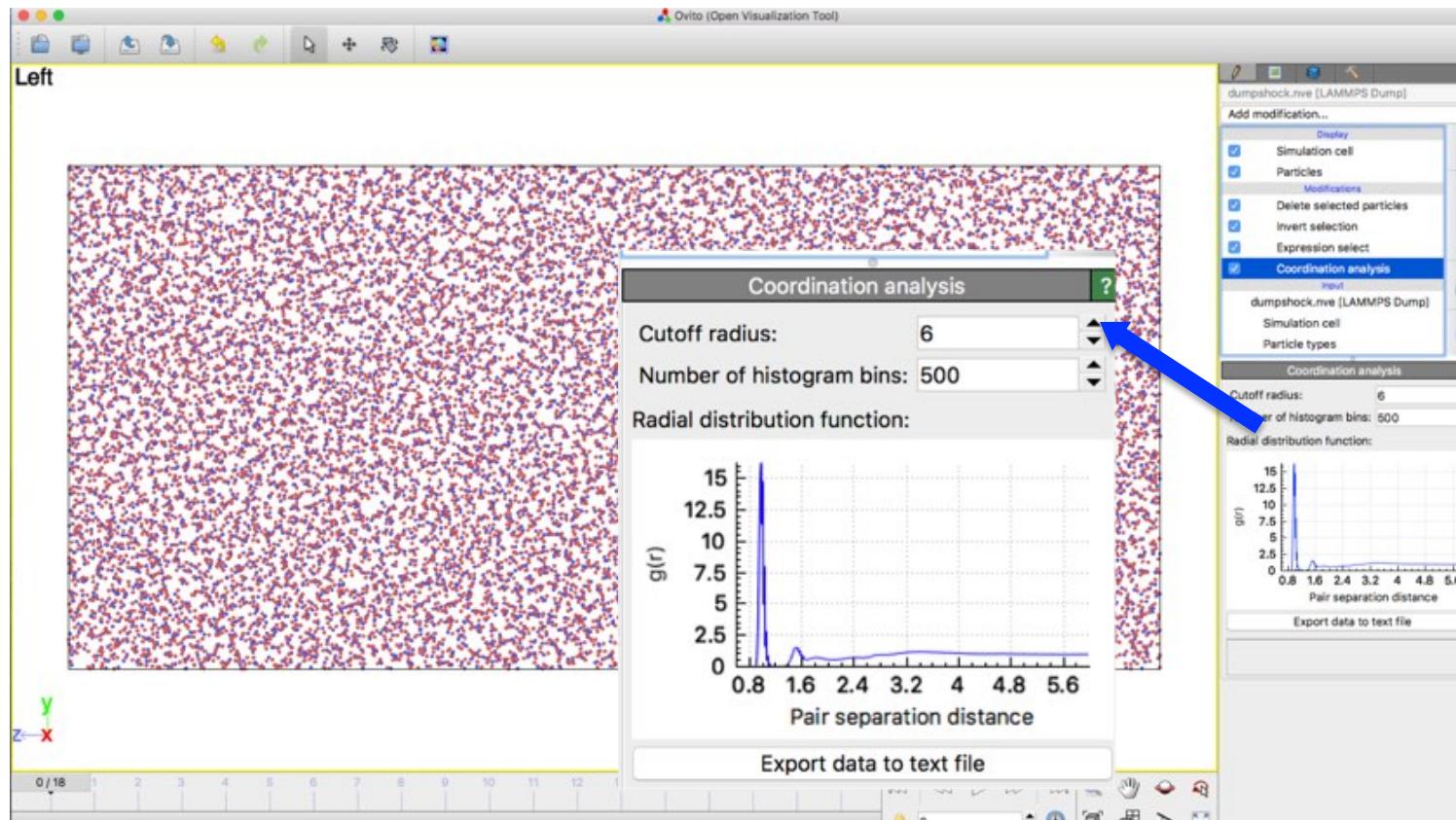
# Ovito Visualization of shock

Click on the play button to play the movie



# Ovito Visualization of shock

Make cutoff radius: 6



# Ovito Visualization of shock

Add color coding (by coordination) and visualize

