Leginon Tilt data collection

Updated at 9/12/2019

Tip for the Tilt application of Leginon, which is designed to collect single particle data for preferred orientation sample with tilting grid at certain angles. The basic idea is to do eucentricity (Z focus) at zero degree, and then tilt to certain angle (30° or 45°, or other degree) at sq mag, for user to do hole targeting. The operation afterwards is the same as the regular single particle data collection.

1   **Run Leginon application: MSI-T-Tilt2**

2   **T_Square node: settings -> advanced -> have 'Publish and wait for rejected targets' checked. This will allow the following Z_Focus to work.**

3   **T_Hole_Targeting node: settings -> have 'Do not require focus targets in user verification' checked. This will ignore the focus request which user adds during T_Hole_Targeting since Z_Focus has been done previously at zero tilt, otherwise it will redo Z_Focus.**