






A

View Protocols SPA








▼ **Particles**

- ▶  Picking
- ▶  Extract
- ▶  Preprocess
- ▶  Filter
- ▶  Mask

▼ **2D**











- ▶  Align
- ▶  Classify

▼ **3D**

- ▶  Initial volume
- ▶  Preprocess
- ▶  Classify
- ▶  Refine
- ▶  Postprocess
- ▶  Analysis
- ▶  Reconstruct

▶ **Tools**

▼ **Model Building**



-  xmipp3 - extract unit cell
-  chimera - chimera rigid fit
-  chimera - model from template
-  powerfit\_scipion - powerfit
-  ccp4 - coot refinement
-  ccp4 - refmac
-  **phenix - emringer**
-  phenix - real space refine
-  phenix - molprobit
-  xmipp3 - 3d bionotes


B


Protocol Run: PhenixProtRunEMRinger


**Phenix** Protocol: phenix - emringer [Cite](#) [Help](#)

**Run**

Run name   Comment  





Run mode ☒ Continue ☐ Restart  Host





Use queue? ☐ Yes ☒ No 




Wait for  

**Input**

Input

Input Volume     

Input atomic structure     

 Close  Save  **Execute**