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## Auto refine return an empty volume

Mon, 08/09/2021 - 16:41

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Mercedeh

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My 2D classification runs pretty good, but the autorefine fails, I have tried so many different initial references, but I could'nt diagnose the problem. all the parameters and references have been tested before with a different data set. but they just don't work on this one. Any suggestion?

sometime I get this error:

Error: Number of particles selected = 0; please change score threshold  
From core/frealign\_parameter\_file.cpp:439

I tried manual refine and changes the score threshold to -10 but still did not get any volume.





timgrant

Was this using a refinement

Was this using a refinement package created from within cisTEM - or by importing with a parameter file?

I have seen this before when all the defocus values are constant - is that true in your case?

Thanks,

Tim



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