

## 16 01 639 Diffraction of Mexicain Crystals

Beamline	Allocated Shifts	Start Date	Finish Date	Local Contact
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Different crystals of mexicain grown by counter-diffusion method were tested for high resolution diffraction limit. For any of the crystal the resolution was higher than 2.0 Å after processing the data, similar to the collected at a home source. The structure have been solve by molecular replacement using the home source data to a resolution of 2.1 Å. The crystallization behaviour of mexicain is very peculiar and a complete study is undergoing. The use of ethanolamide as an additive is essential to get crystal but no location of this compound can be elucidate from the structure at 2.1 Å. Our goal is to improve crystal quality by using counter-diffusion techniques to a resolution beyond 1.5 Å.