

NOVA Medium energy target ME-1 autopsy, procedure and equipment

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The purpose of the Medium energy target autopsy is the observation of the graphite fins. The graphite fins are major component of the target that are taking beam during operation. The target ME-1 is cooled down more than one year, but is still high radioactive. The target is delivered to the C-0 Remote Handling facility and placed on the stands inside the work cell by crane and aligned with the fixture. The work cell is equipped with manipulators, lead glass window and video cameras. The fixture has the high torque power tool that is used for a removing the target downstream end flange. The cart with video cameras is inserted into the opened target canister by manipulator and traveling there observing target fins. The video is translated to the video center located outside of the work cell.

Primary author: Mr SIDOROV, Vladimir (Fermilab)

Presenter: Mr SIDOROV, Vladimir (Fermilab)

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