

Questions about neutrino beam-line

T.Nakadaira

Q. Target status check

- * [Q] How quickly detect when the abnormal thing happens at the target?
- * In MC simulation for J-PARC neutrino beam-line, the signal yield of the muon monitor is not sensitive for several % change of the target graphite density, because the muon produced at the beam dump compensate the deficit.
- * On the other hand, when the graphite density became smaller by $>4\%$ by oxidization, the tensile strength of the graphite become less than half.

Q. He system for NuMI ME target

- * How the He gas quality is controlled?
 - * Requirement for purity.
 - * Measurement of He gas purity.
 - * Continuous circulating or Just filling?