



Carrier and Baffle Review

Introduction

Presentations:

Introduction and requirements – Jim Hylan

Target/Baffle Carrier Design – Ernie Villegas

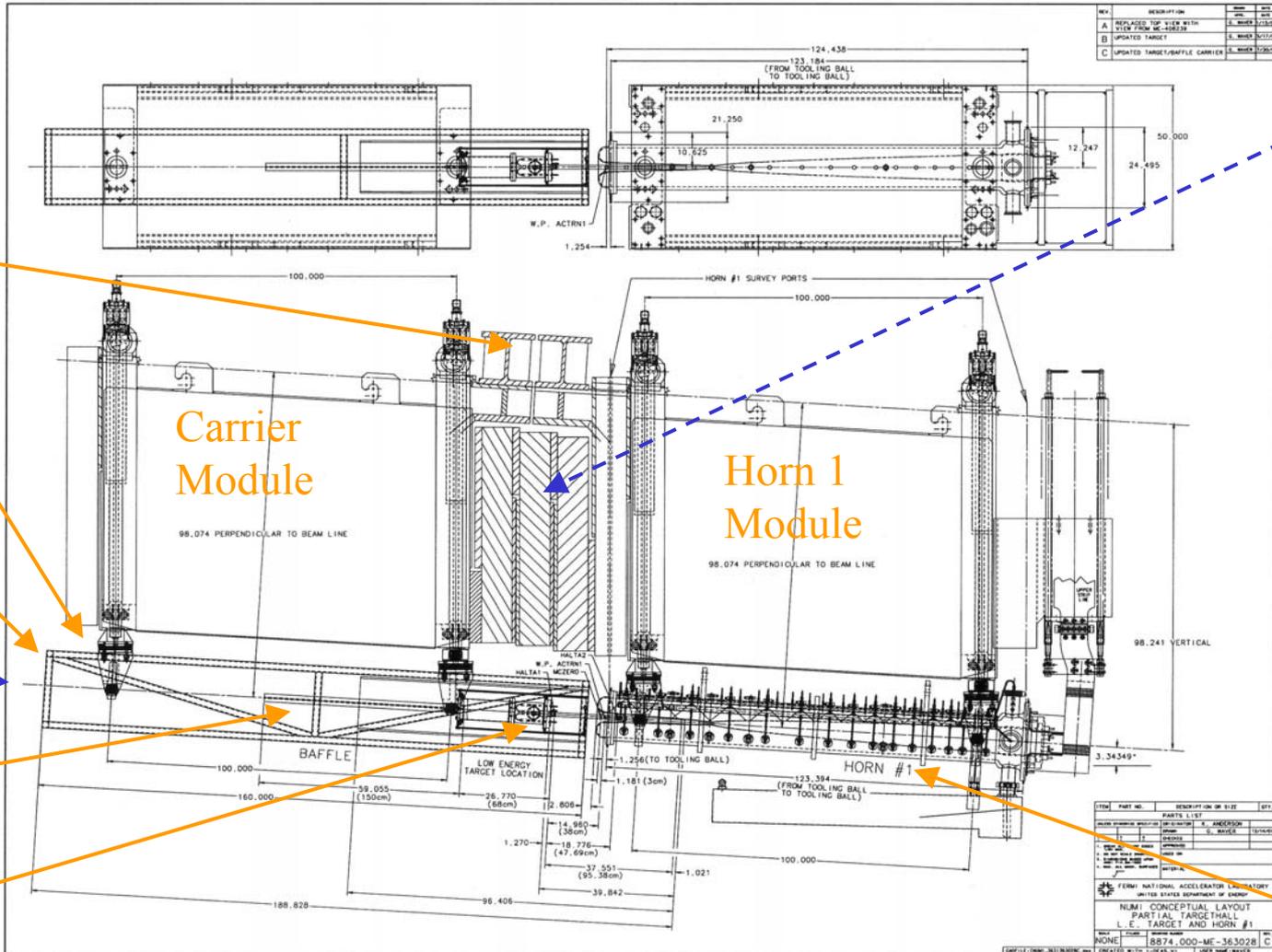
Baffle Protection: Stresses – Valeri Garkusha

Baffle Construction – Victor Zarucheiski

Beam Scraping and Baffle Monitoring – Jim Hylan



Carrier Review Introduction Terminology





Carrier, Baffle Review Introduction

General Module design was reviewed for Horn 1 Module,

Target Module will be close copy, changes are:

- i) Remove front stripline basket
- ii) Extend vertical travel of component from $\pm 3/8''$ to $+3/8'' / -9''$
- iii) Use Horn 1 Module endwall upstream hole pattern for both endwalls, pattern of useage for water and electrical is different

Do not plan to discuss it here further

Radio-activated component handling was not in documentation

(After one year operation, target fin is 6000 R/hr on contact)

Carrier has same attachment to module as Horn 1,

attach and remove remotely in hot handling cell

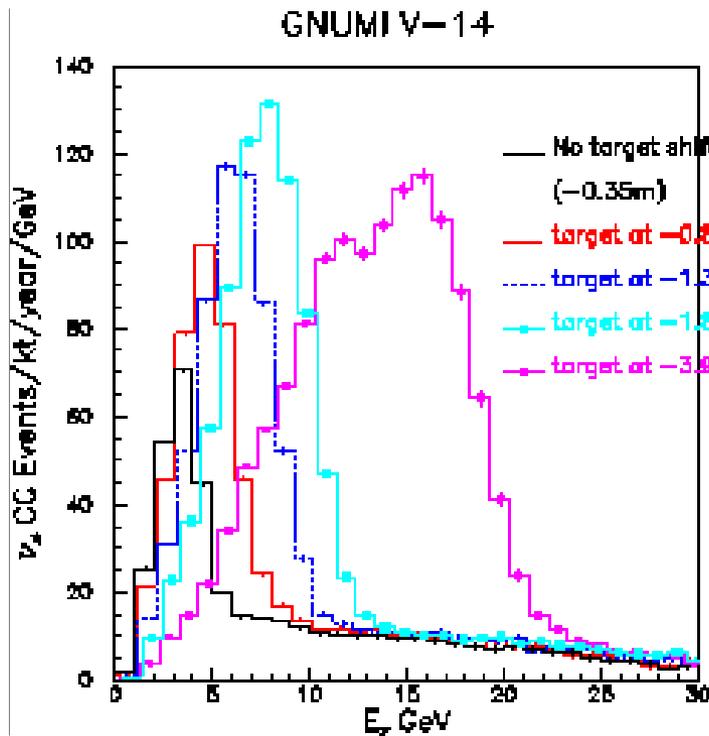
Carrier replacement procedure is same as Horn 1 procedure, which was reviewed

Carrier plus target plus baffle are replaced as one unit,

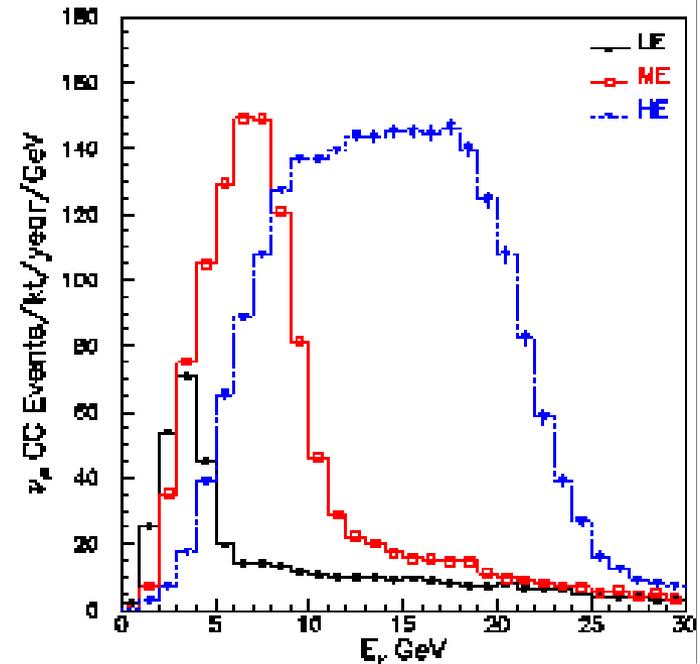
old unit will go in target hall morgue, module is re-used.



Neutrino Energy Spectrum “semi” vs. optimized beams



Obtain “semi” beam by
just moving L.E. target



Obtain optimized beam by
moving horn 2 location
and using narrower target