

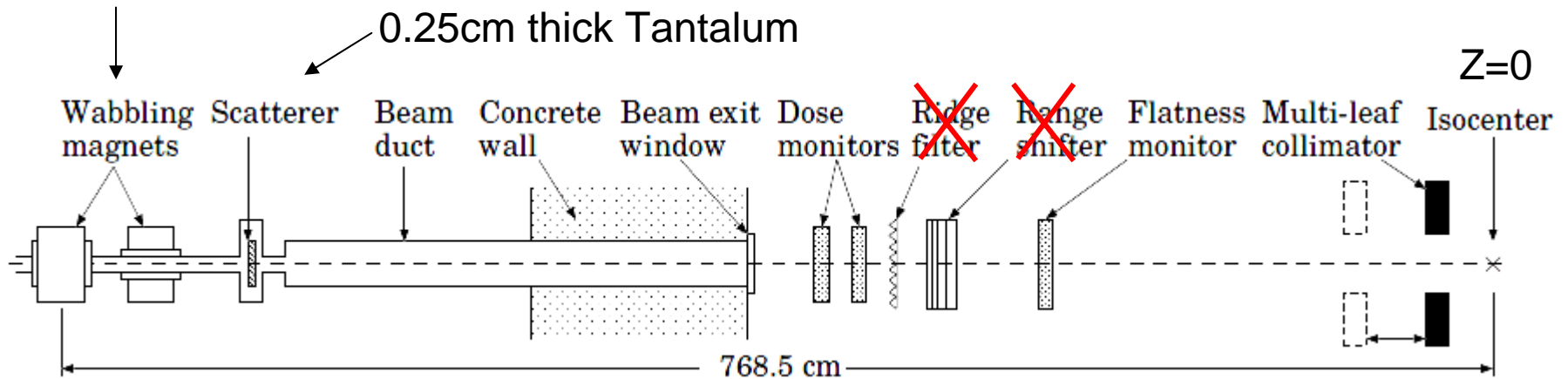
Bragg peak and scattering of carbon

Toshiyuki Toshito (KEK)

Nozzle for carbon at HIBMC facility in Hyogo, Japan

$r=10\text{cm}$ at Isocenter

0.25cm thick Tantalum



$E_{\text{kine}}=320\text{MeV/n}$

Carbon 320 MeV/u

hisAll

Entries	1.438589e+08
Mean	1574
RMS	40.82

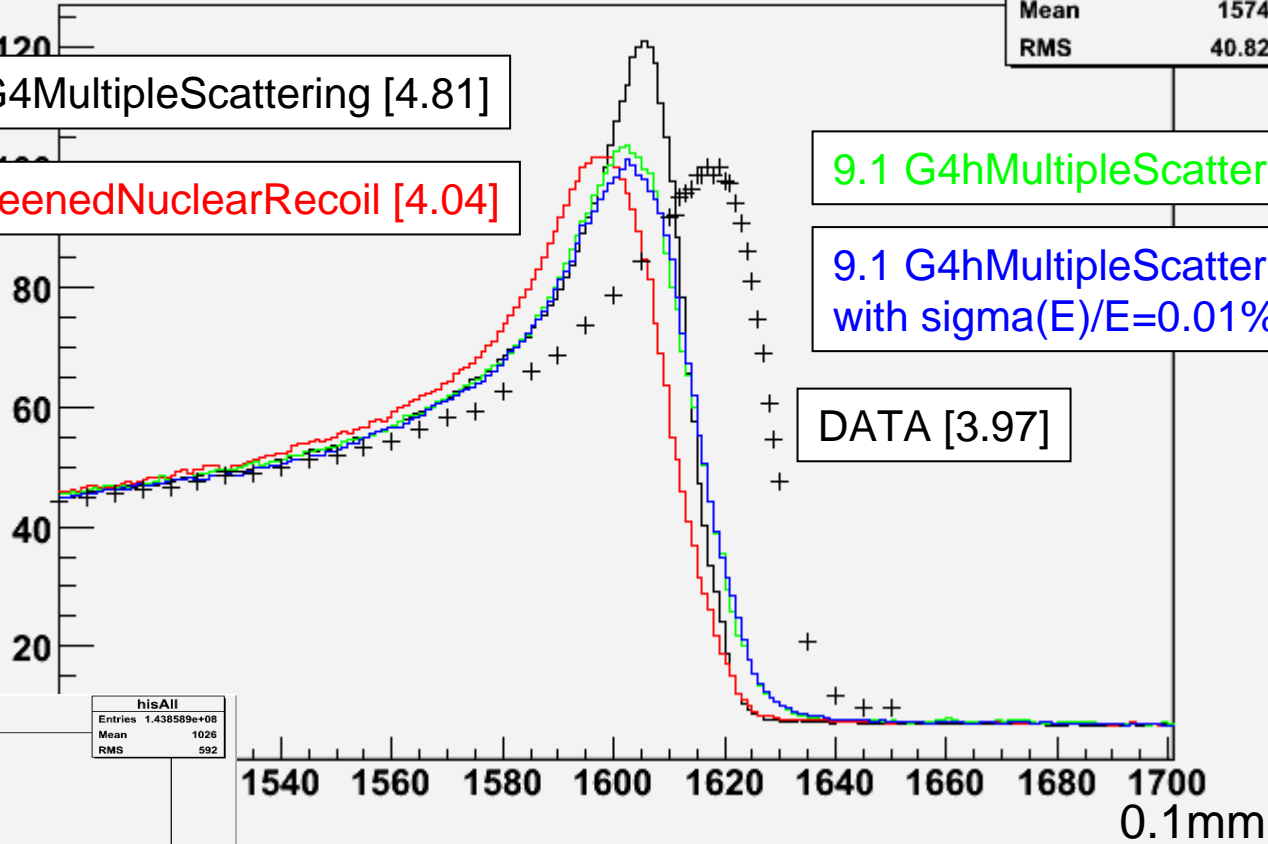
9.0.p01 G4MultipleScattering [4.81]

9.1.cand03 G4ScreenedNuclearRecoil [4.04]

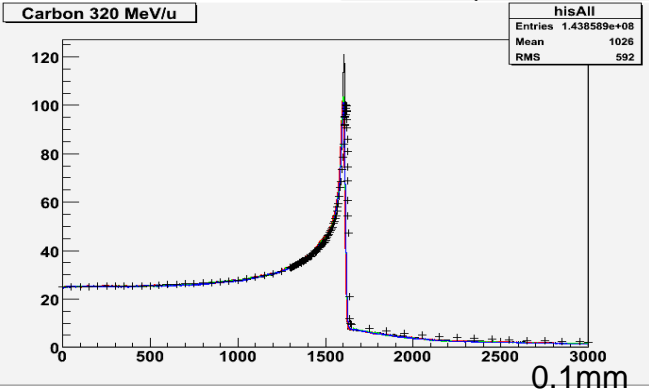
9.1 G4hMultipleScattering [4.12]

9.1 G4hMultipleScattering
with $\sigma(E)/E=0.01\%$ [4.02]

DATA [3.97]

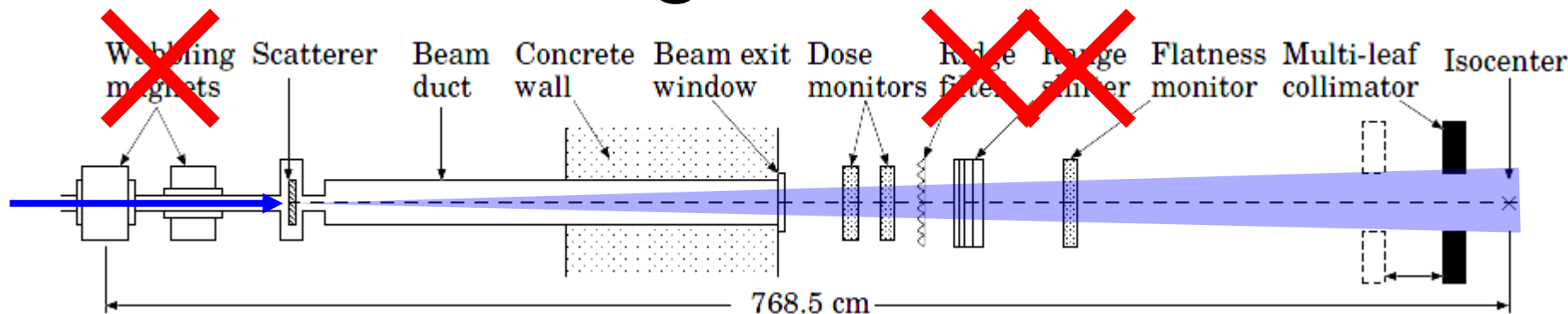


hisAll
Entries 1.438589e+08
Mean 1026
RMS 592

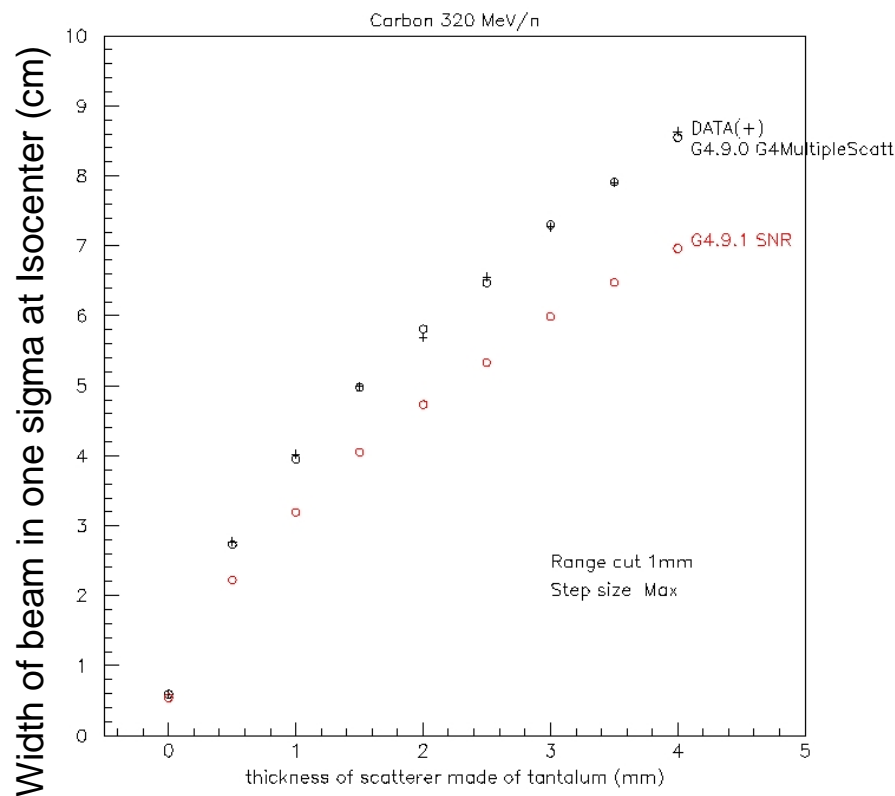


Standard EM
Step Length is limited to 0.1mm
Range cut: 30 micron in water

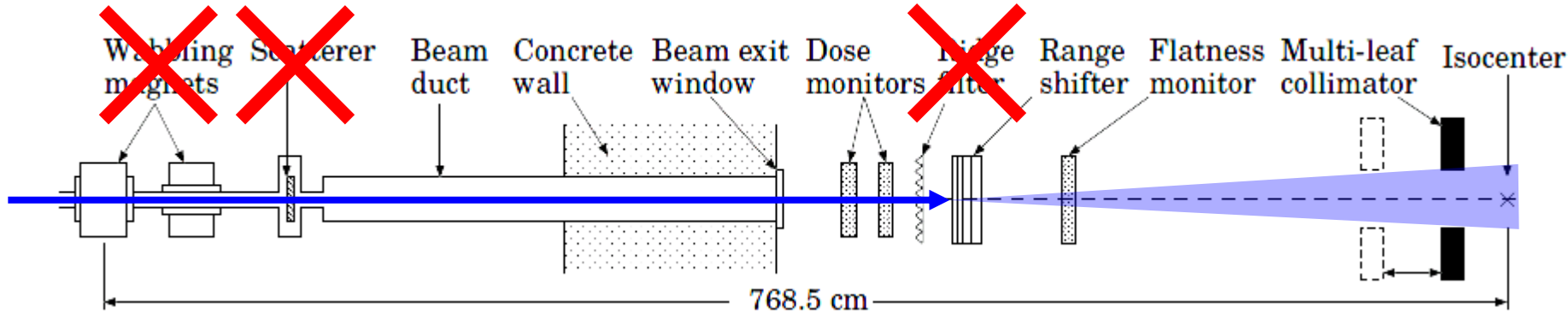
Scattering in Tantalum



320MeV/n ^{12}C



Scattering in Polyethylene



320MeV/n ^{12}C

