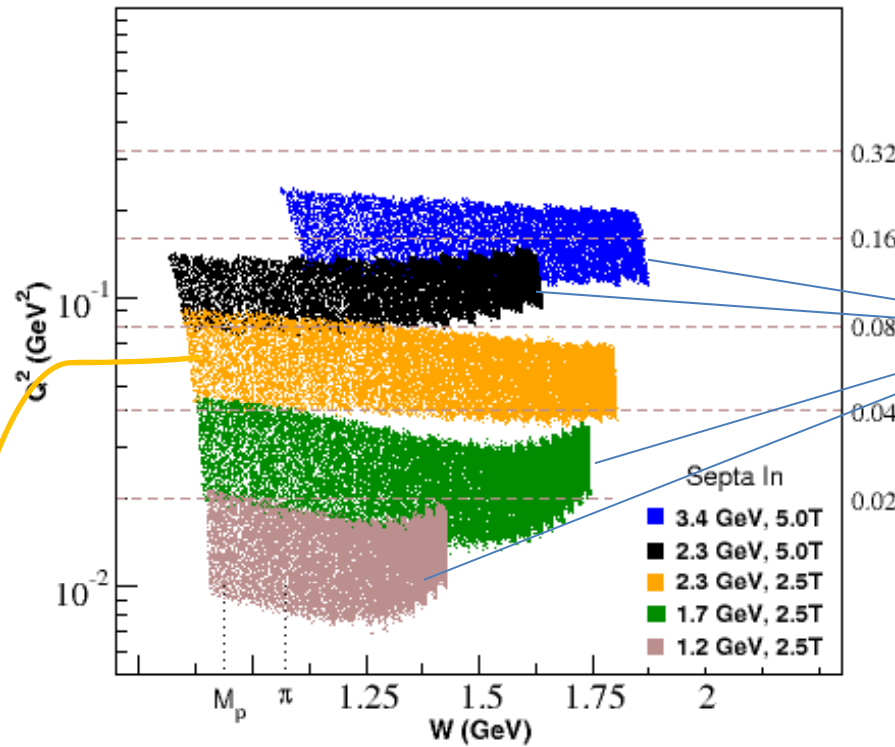


Transport Functions

Min Huang

04/16/2014

Data we have



All the other 4 settings are
with very bad septum
400016

$p_0=2.228\text{GeV}$ with good septum
484816
all the rest p_0 settings are with
bad septum 403216

Transport Functions Package

- Forward from target to focal plane
- Reverse from focal plane to target
- Forward from target plane to multiple end-planes along the electron trajectory
- Compiled into g2psim

Status

Septum	Production data	Transport function package
484816 good	Ebeam=2.3GeV, 2.5T, p0=2.228GeV	Ready to use
403216 bad	Ebeam=2.3GeV, 2.5T, all other p0 settings	No straight-thru data to compare, will work on it later
400016 very bad	3.4GeV, 5T 2.3GeV, 5T 1.7GeV, 2.5T 1.2GeV, 2.5T	Ready to use

Next

- Probably need fine tuning of the Snake model to best describe the data
- Email me if there is any issue