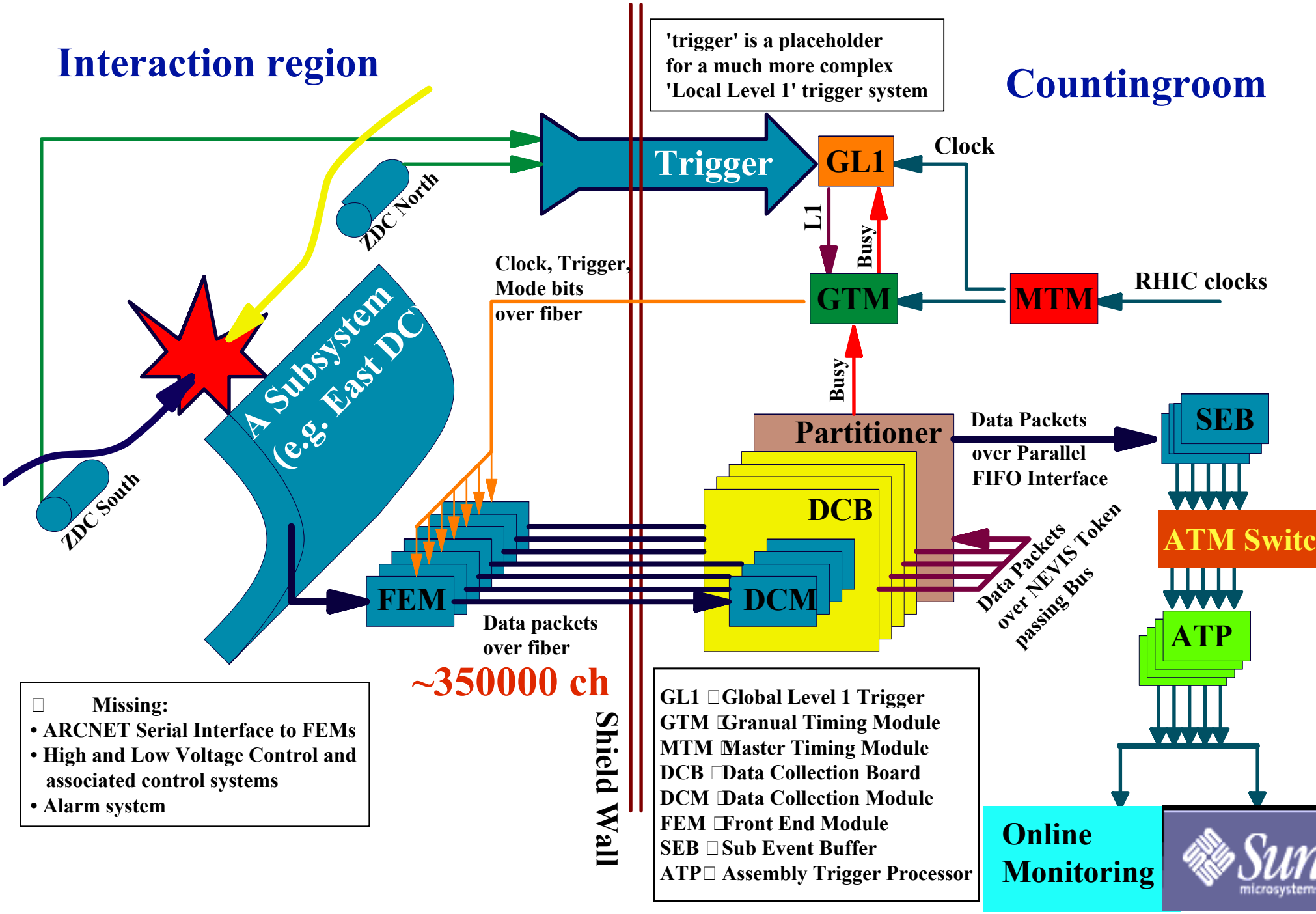
Interaction region
Countingroom
'trigger' is a placeholder for a much more complex 'Local Level 1' trigger system
Trigger
GL1
Clock
L1
Busy
GTM
MTM
RHIC clocks
Busy
ZDC North
ZDC South
A Subsystem (e.g. East DC)
Clock, Trigger, Mode bits over fiber
Partitioner
Data Packets over Parallel FIFO Interface
SEB
DCB
DCM
FEM
Data packets over fiber
Data Packets over NEVIS Token passing Bus
ATM Switc
ATP
~350000 ch
Shield Wall
Missing:
• ARCNET Serial Interface to FEMs
• High and Low Voltage Control and associated control systems
• Alarm system
GL1 Global Level 1 Trigger
GTM Granual Timing Module
MTM Master Timing Module
DCB Data Collection Board
DCM Data Collection Module
FEM Front End Module
SEB Sub Event Buffer
ATP Assembly Trigger Processor
Online Monitoring