HMS Hodoscopes Pre-Trigger

HMS Hut

h1x (32 sig / 16 bars)

h1y (20 sig /10 bars)

h2x (32 sig /16 bars)

h2y (20 sig /10 bars)

Counting Room

RIBBON

Lemo

EDTM

Splitter

(66)

DISC.

LOGIC

(33)

RIBBON → BNC

h1X

h1Y

h2X

h2Y

Delay

h1 1/2

h2 1/2

Delay

hSTOF 2/2

hHODO 3/4

NIM/ ECL

ROC01

fADCs

TDCs

ROC05

Scalers

LOGIC

h1X = h1X+ (16-fold OR) AND h1X- (16-fold OR)
h1Y = h1Y+ (10-fold OR) AND h1Y- (10-fold OR)
h2X = h2X+ (16-fold OR) AND h2X- (16-fold OR)
h2Y = h2Y+ (10-fold OR) AND h2Y- (10-fold OR)

HMS Calorimeter Pre-Trigger

HMS Hut

Layer A (26 sig)

Layer B (26 sig)

Layer C (13 sig)

Layer D (13 sig)

Counting Room

RIBBON

Lemo

Layer A (26 sig)

Splitter

(50)

(50)

EDTM

Layer SUM

hA

hB

hC

hD

preSh SUM

Shower SUM

DISC.

DISC.

DISC.

hPreSH LO

hPreSH HI

hShower LO

RIBBON → BNC

NIM/ ECL

ROC01

fADCs

TDCs

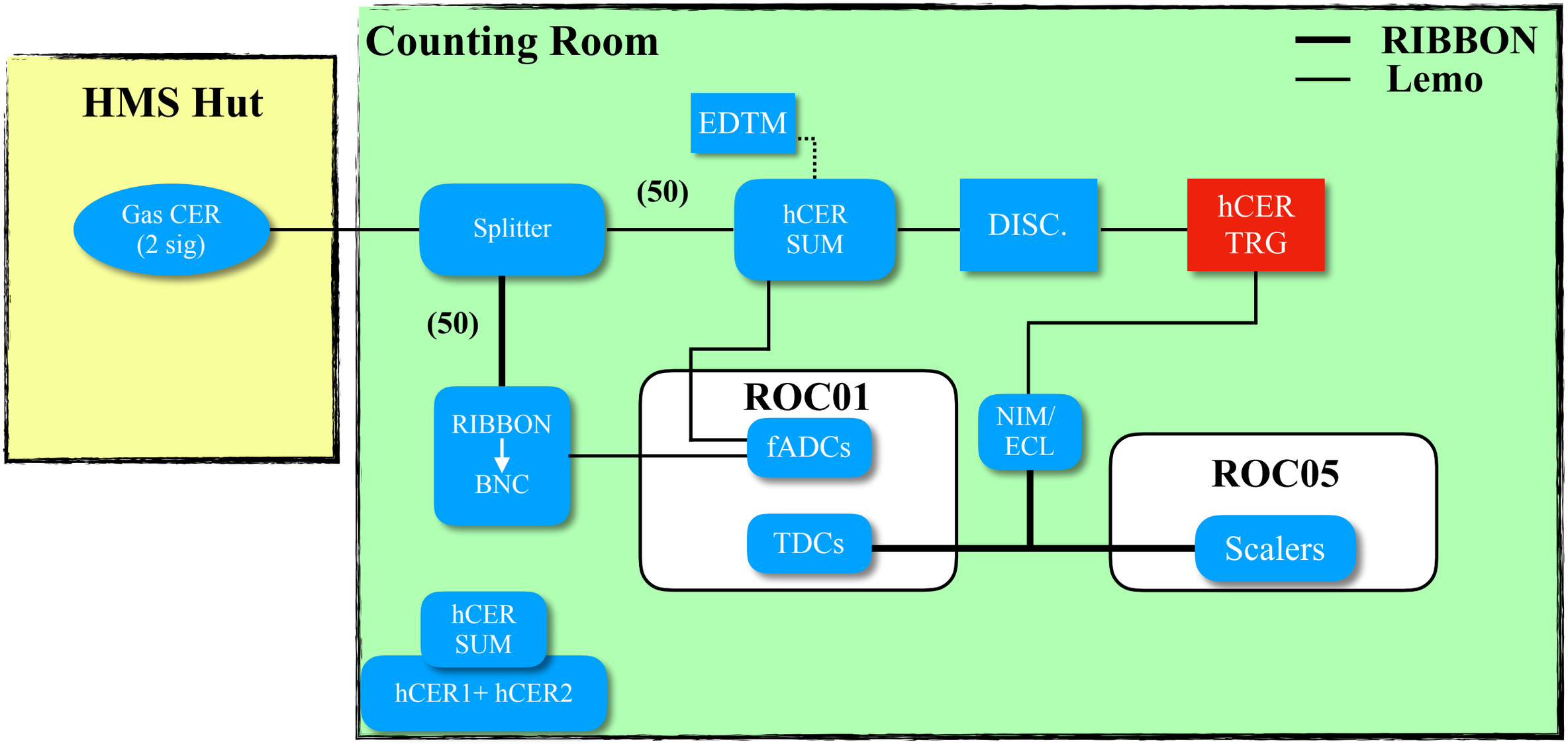
ROC05

Scalers

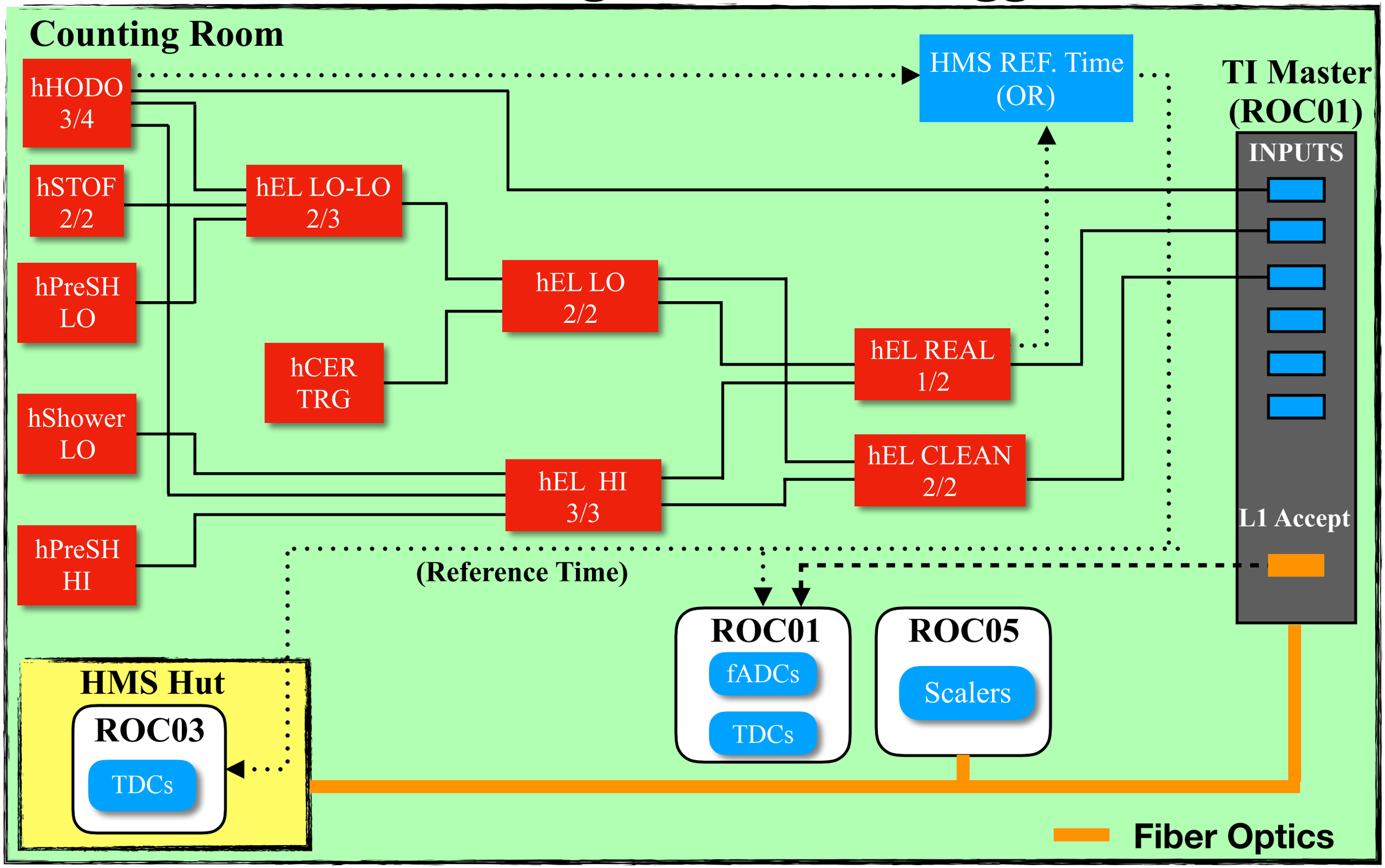
Layer SUM

hA = hA+ (13 sig) + hA- (13 sig)
hB = hB+ (13 sig) + hB- (13 sig)
hC = hC- (13 sig)
hD = hD- (13 sig)

HMS Gas Cherenkov Pre-Trigger



HMS Single Arm Pre-Trigger



SHMS Hodoscopes Pre-Trigger

SHMS Hut

S1x (26 sig / 13 bars)

S1y (26 sig /13 bars)

S2x (28 sig /14 bars)

S2y (36 sig /18 bars)

Counting Room

RIBBON
Lemo

S1x (26 sig / 13 bars) → Splitter

Splitter (66) → DISC. → LOGIC

EDTM → DISC.

LOGIC → S1X, S1Y, S2X, S2Y

S1X → Delay → S1 1/2

S1Y → S1 1/2

S2X → S2 1/2

S2Y → Delay → S2 1/2

S1 1/2 → pSTOF 2/2

S1 1/2 → pHODO 3/4

S2 1/2 → pHODO 3/4

S2 1/2 → NIM/ ECL

Splitter (33) → RIBBON → BNC

ROC02

fADCs

TDCs

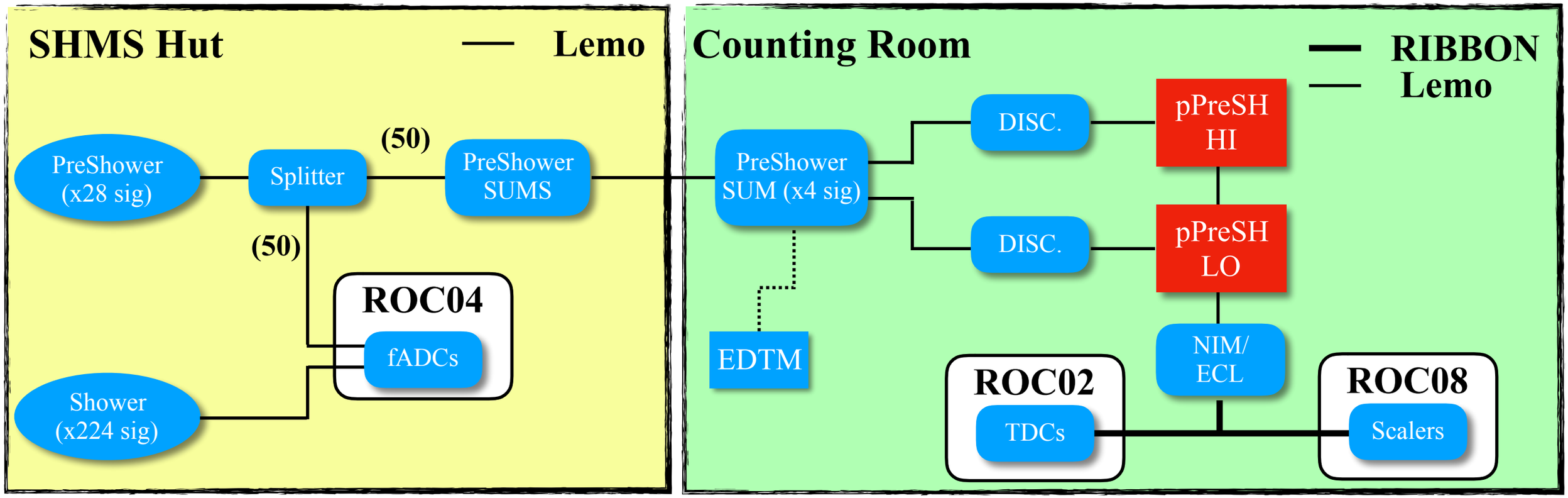
ROC08

Scalers

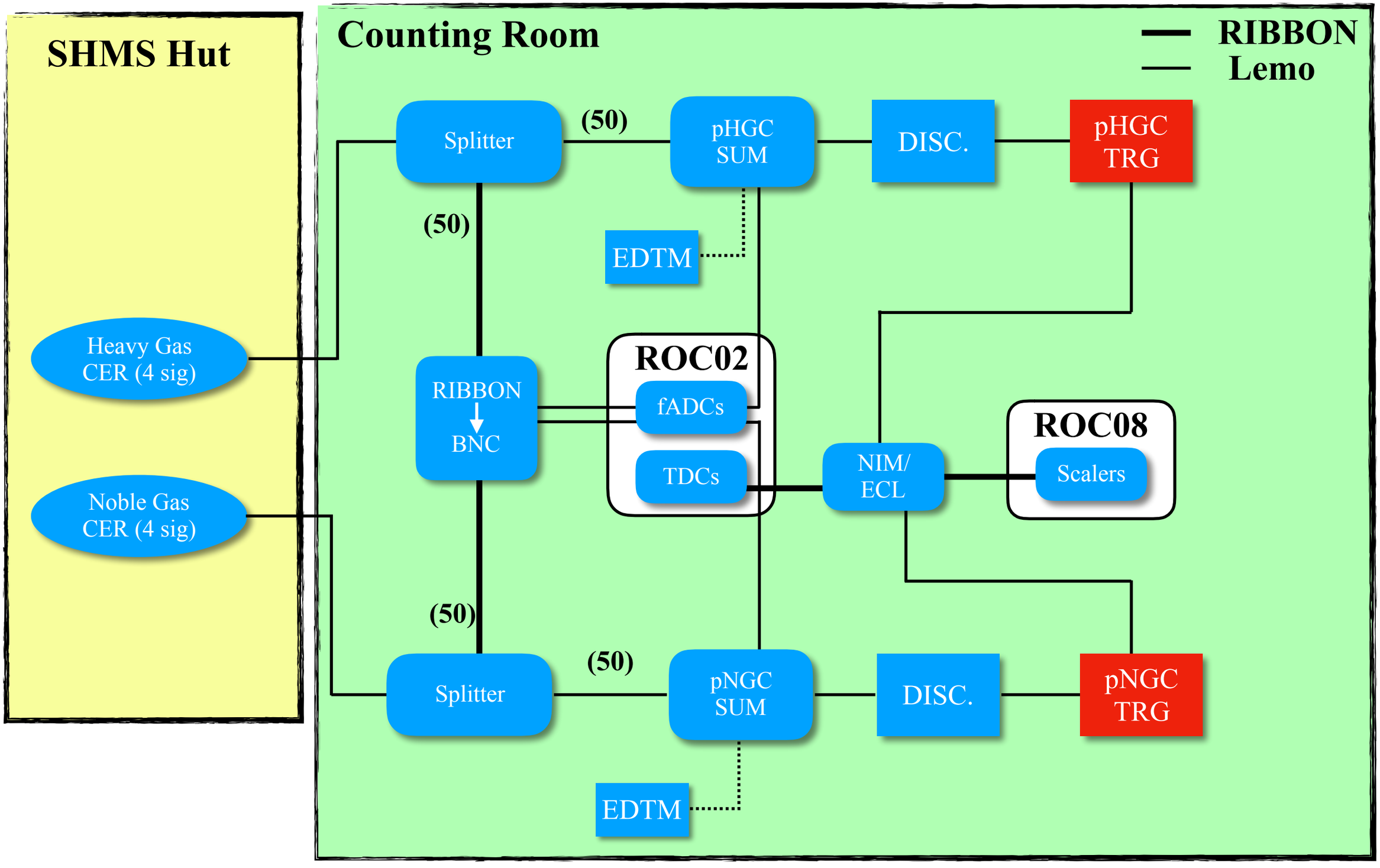
LOGIC

S1X = S1XL (13-fold OR) AND S1XR (13-fold OR)
S1Y = S1YT (14-fold OR) AND S1YB (14-fold OR)
S2X = S2XL (13-fold OR) AND S2XR (13-fold OR)
S2Y = S2YT (21-fold OR) AND S2YB (21-fold OR)

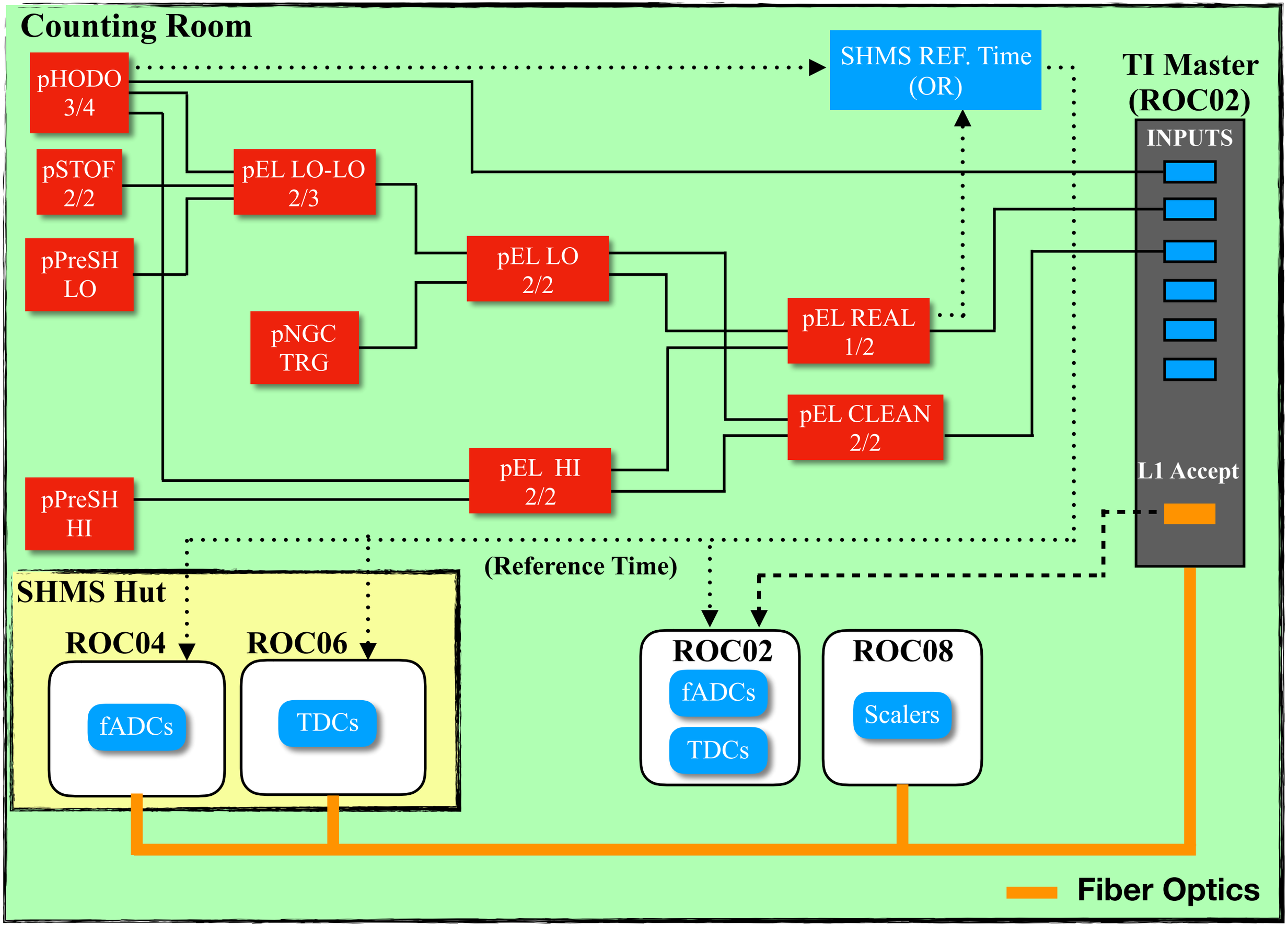
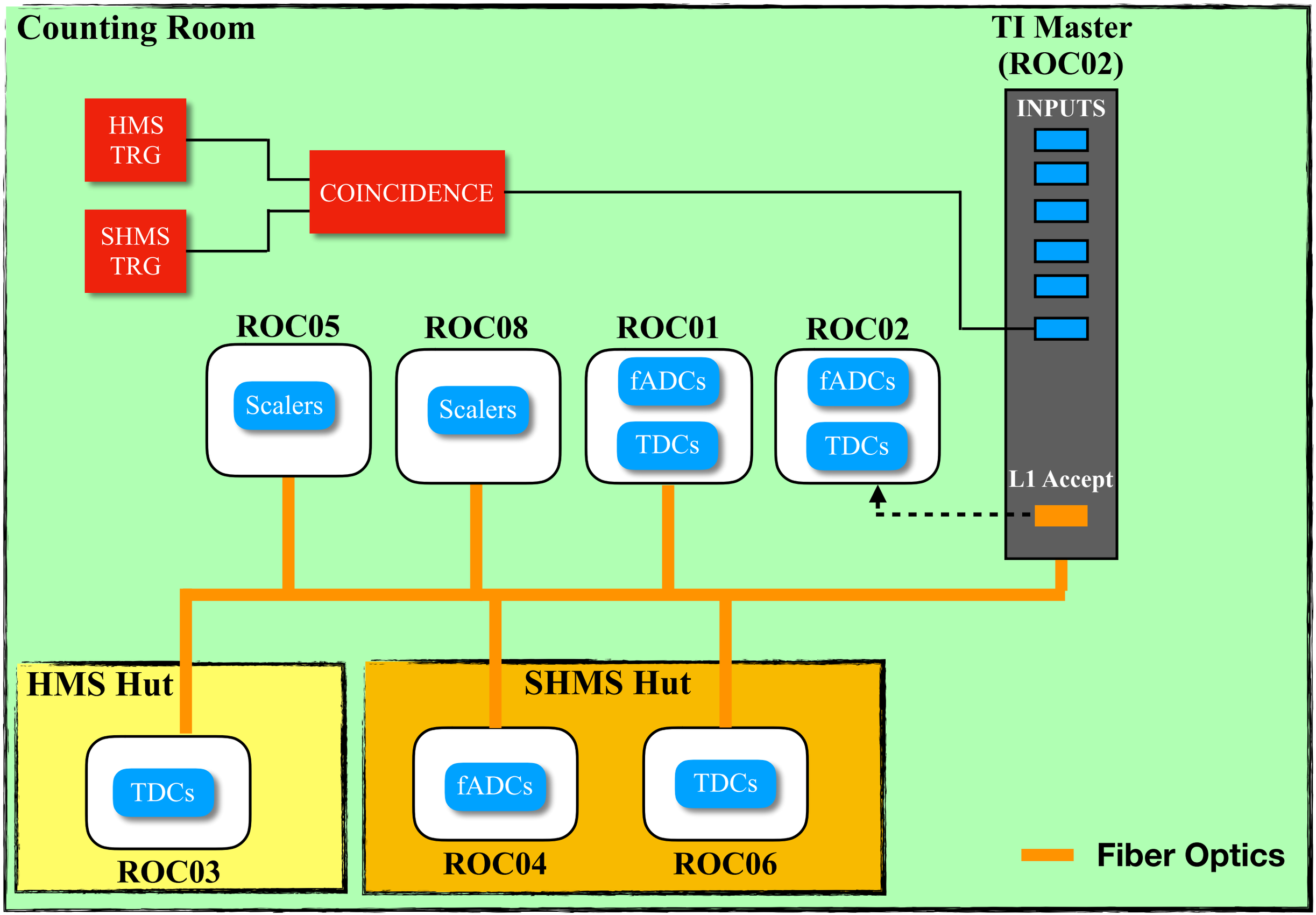
SHMS Calorimeter Pre-Trigger



SHMS Cherenkovs Pre-Trigger



SHMS Single Arm Pre-Trigger



HMS/SHMS Coincidence Pre-Trigger