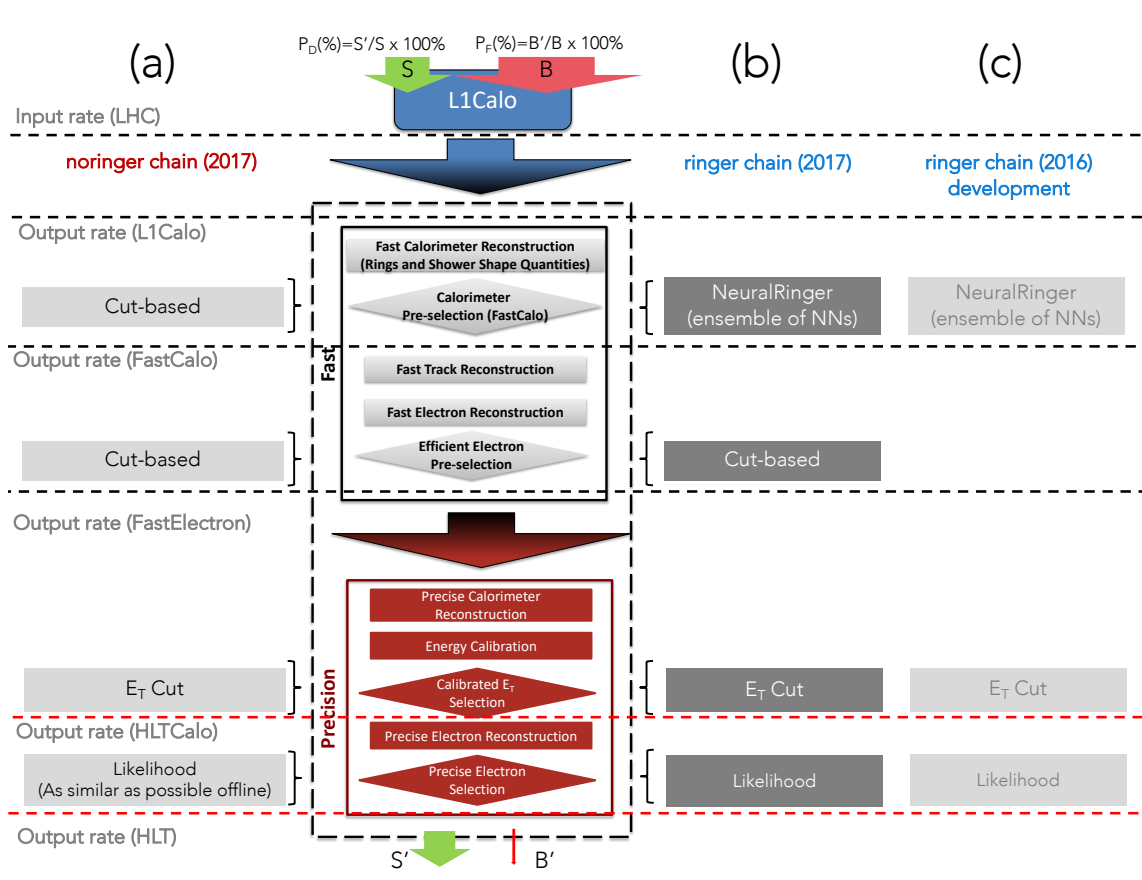
(a)
$P_D(\%)=S'/S \times 100\%$
$P_F(\%)=B'/B \times 100\%$
S
B
L1Calo
(b)
(c)
Input rate (LHC)
noringer chain (2017)
ringer chain (2017)
ringer chain (2016) development
Output rate (L1Calo)
Cut-based
Fast Calorimeter Reconstruction (Rings and Shower Shape Quantities)
Calorimeter Pre-selection (FastCalo)
NeuralRinger (ensemble of NNs)
NeuralRinger (ensemble of NNs)
Output rate (FastCalo)
Fast
Fast Track Reconstruction
Fast Electron Reconstruction
Efficient Electron Pre-selection
Cut-based
Cut-based
Output rate (FastElectron)
Precision
Precise Calorimeter Reconstruction
Energy Calibration
Calibrated E_T Selection
E_T Cut
E_T Cut
E_T Cut
Output rate (HLTCalo)
Likelihood (As similar as possible offline)
Precise Electron Reconstruction
Precise Electron Selection
Likelihood
Likelihood
Output rate (HLT)
S'
B'