

Run5 analysis status

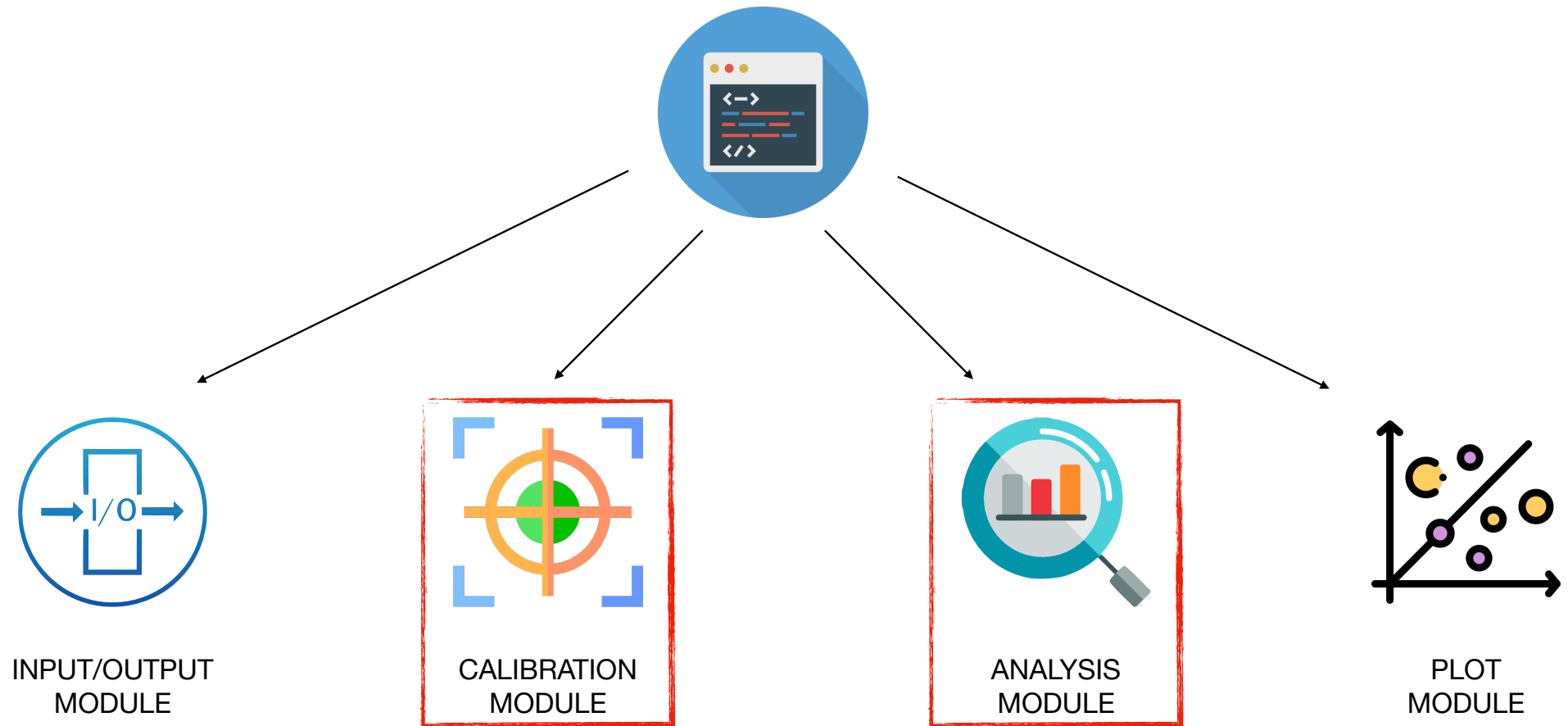
Joint meeting

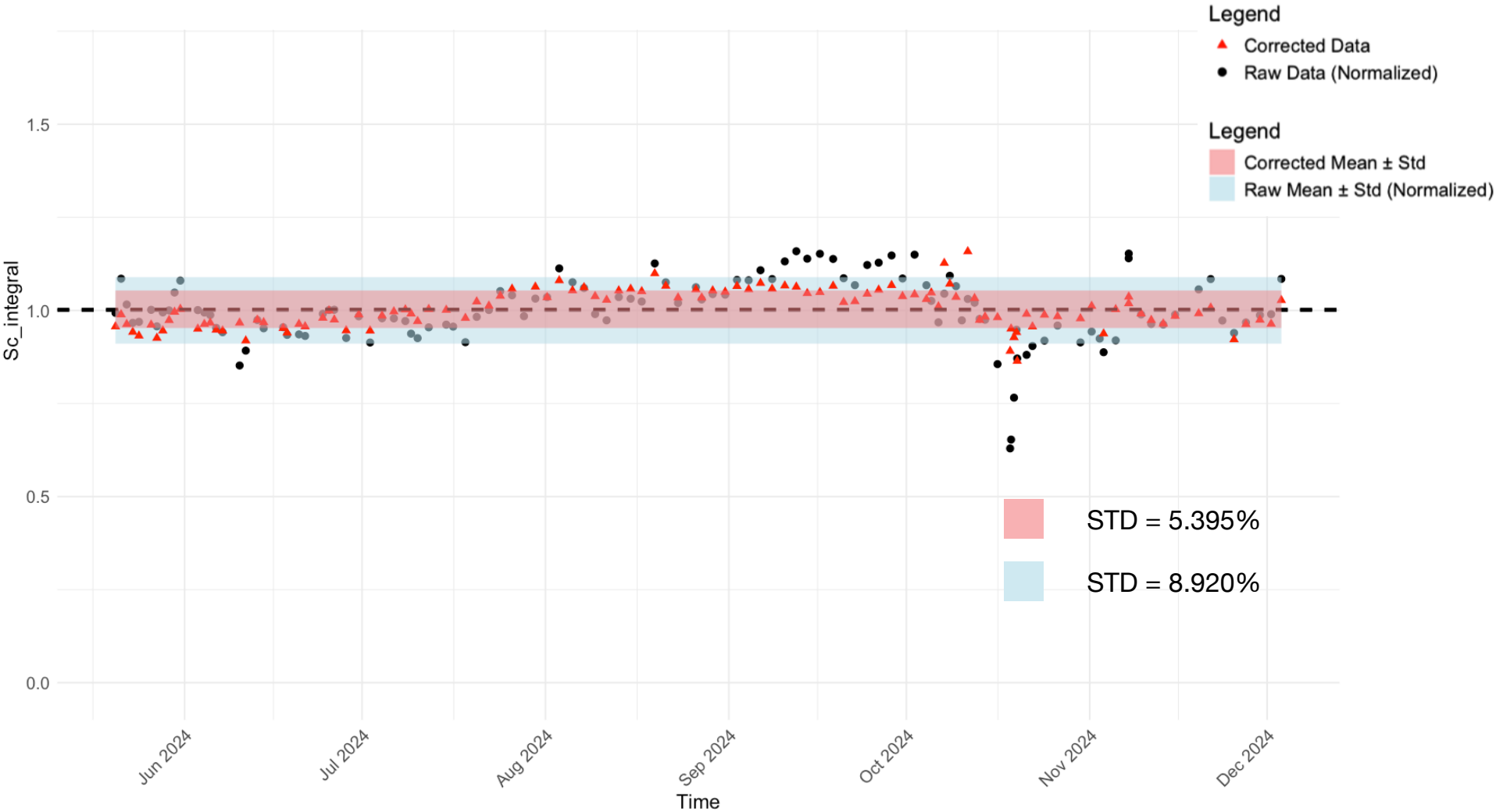
Melba D'Astolfo, 17/06/2025

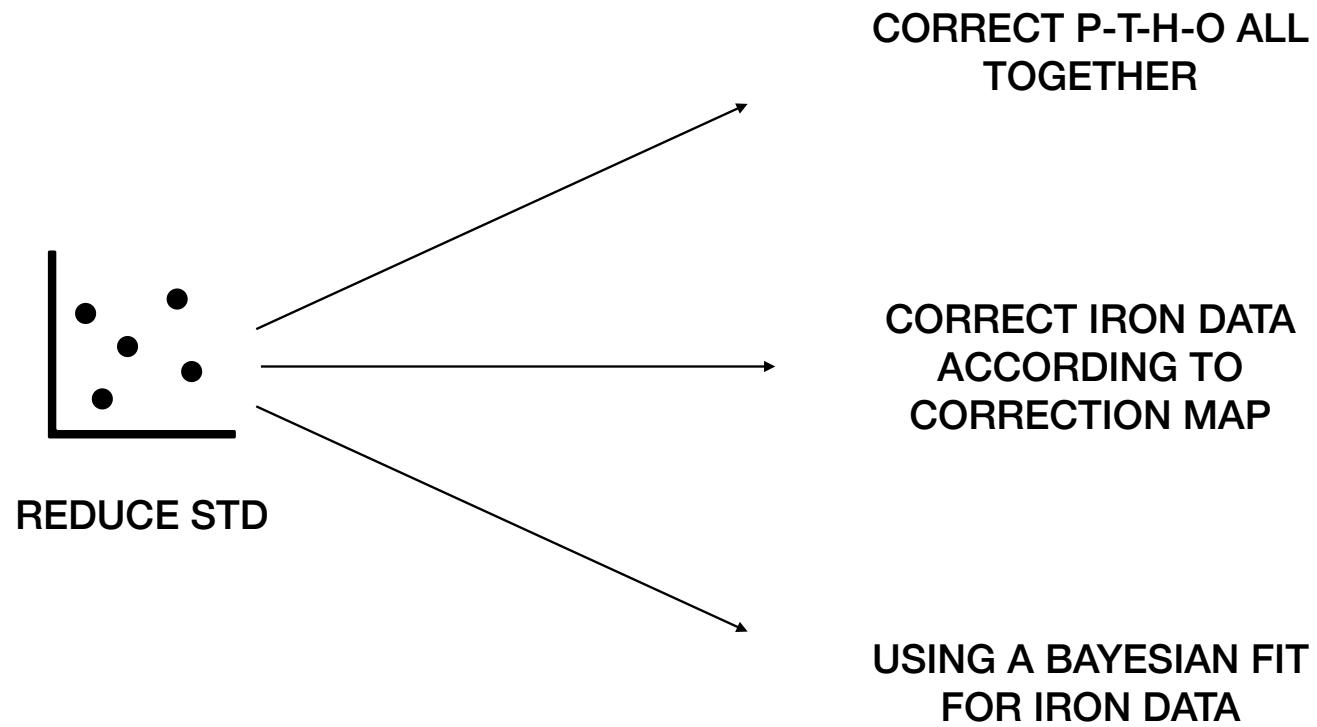
Data/MC comparison (Run4/5)

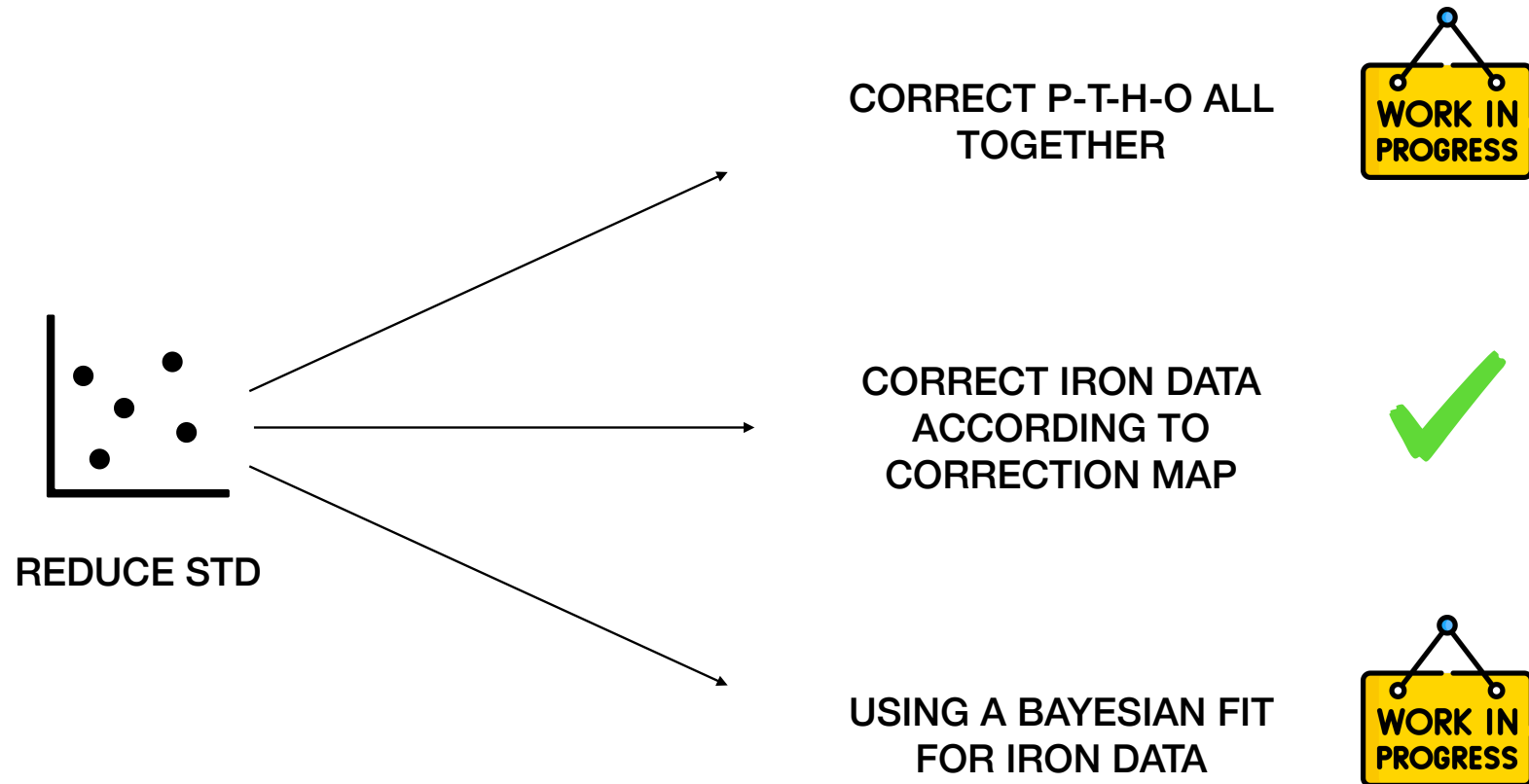
AmBe analysis

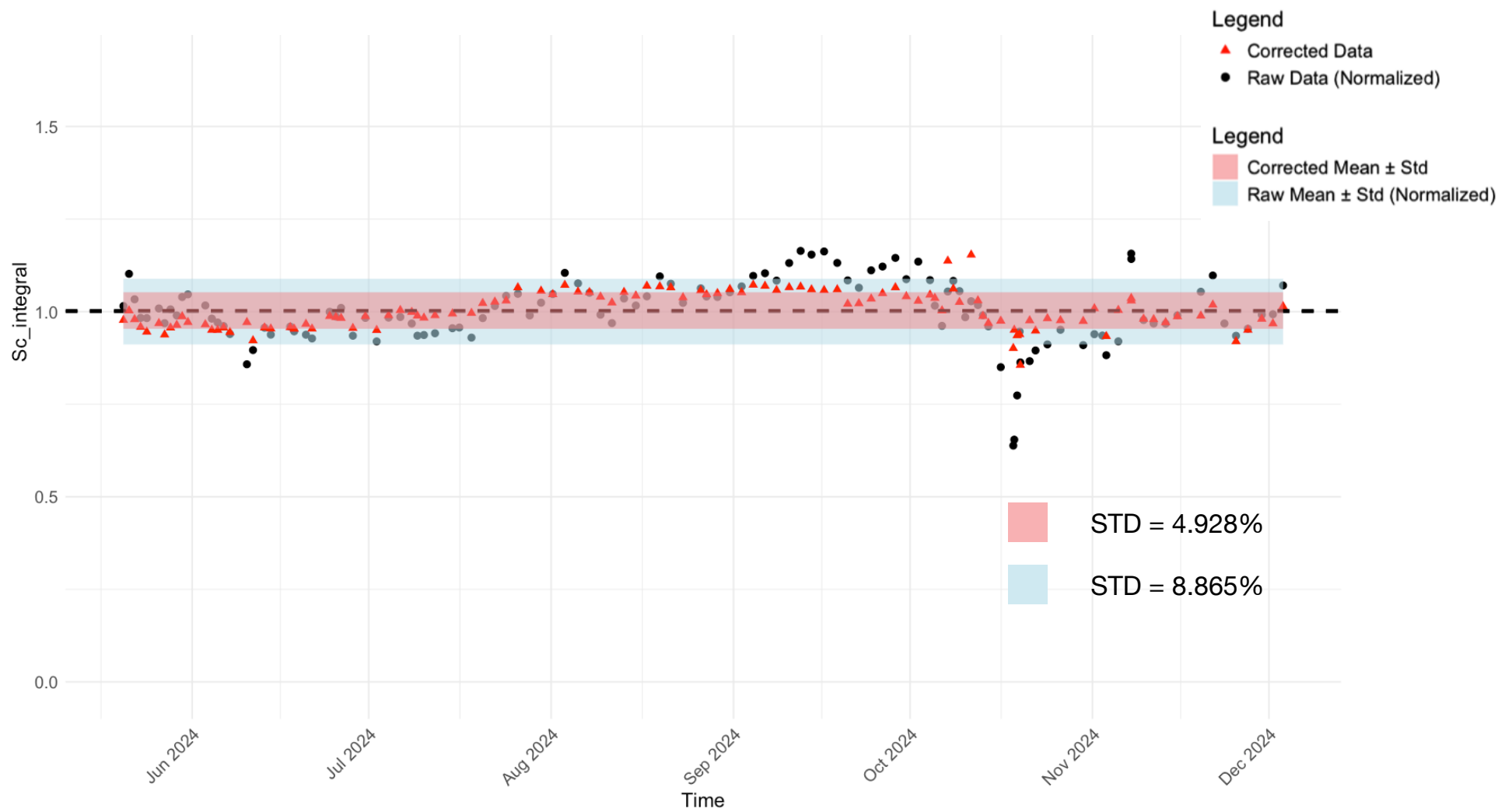
Neutron flux analysis

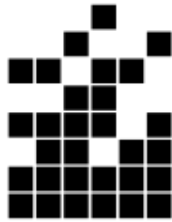




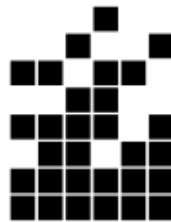




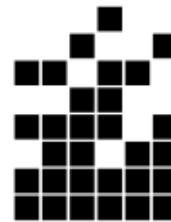




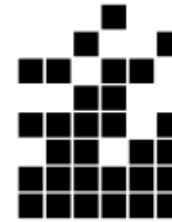
TOTAL NUMBER
OF PIXELS
(**SC_SIZE**)



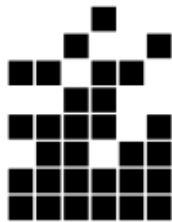
NUMBER OF PIXEL
OVER THRESHOLD
(**SC_NHITS**)



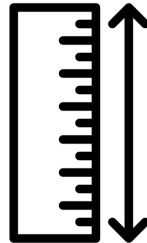
RMS OF PIXEL
COUNTS
(**SC_RMS**)



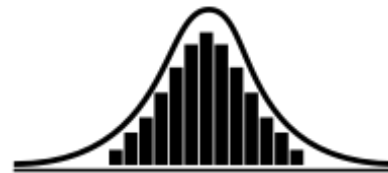
WIDTH AND LENGTH OF
CLUSTERS (**SC_WIDTH/**
WC_LENGTH)



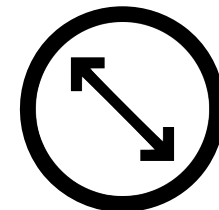
SC_RHO
(SC_RMS/SC_NHITS)



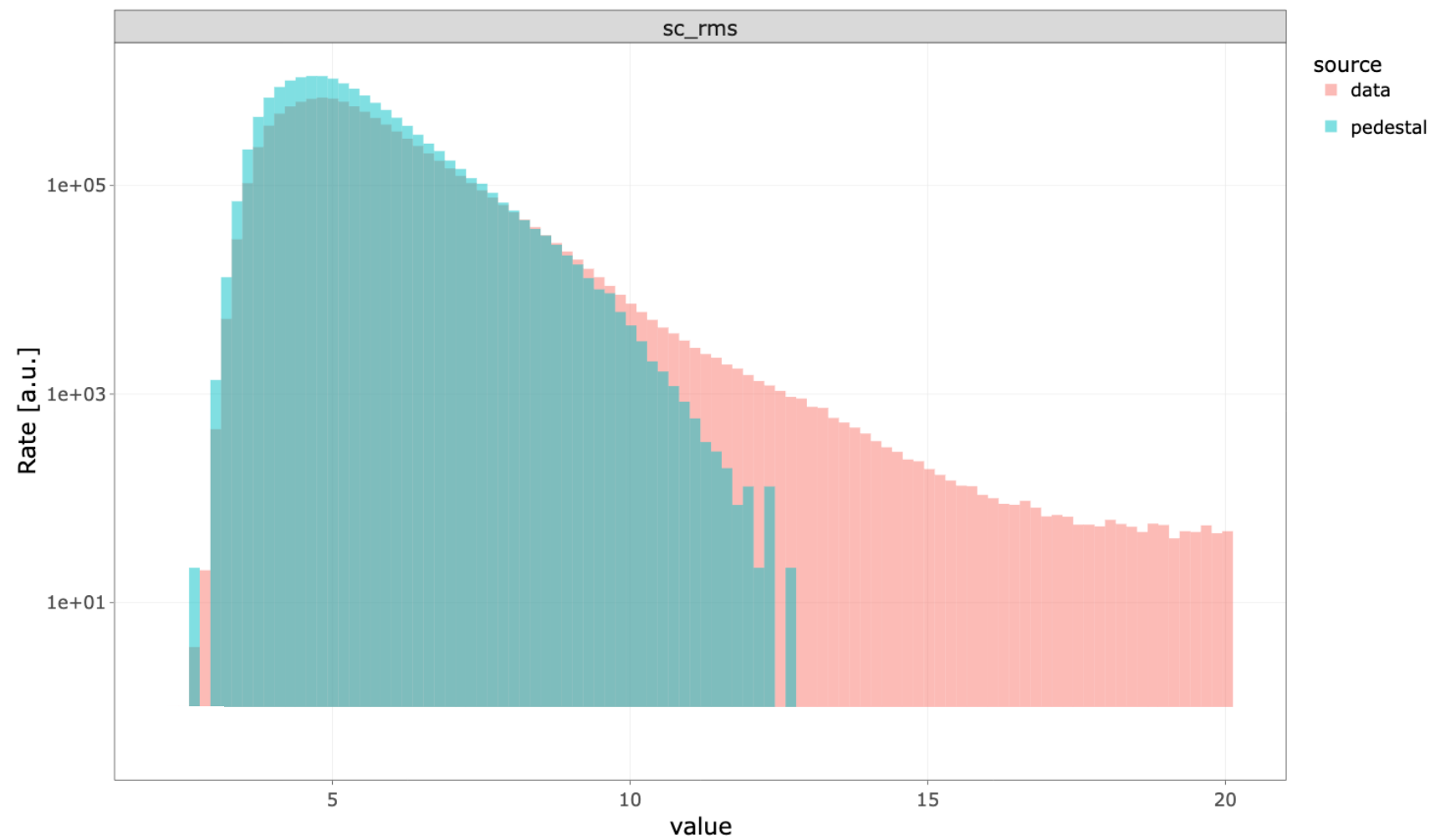
MAX AND MIN X AND Y
COORD (**SC_XMIN, SC_XMAX,**
SC_YMIN,SC_YMAX)



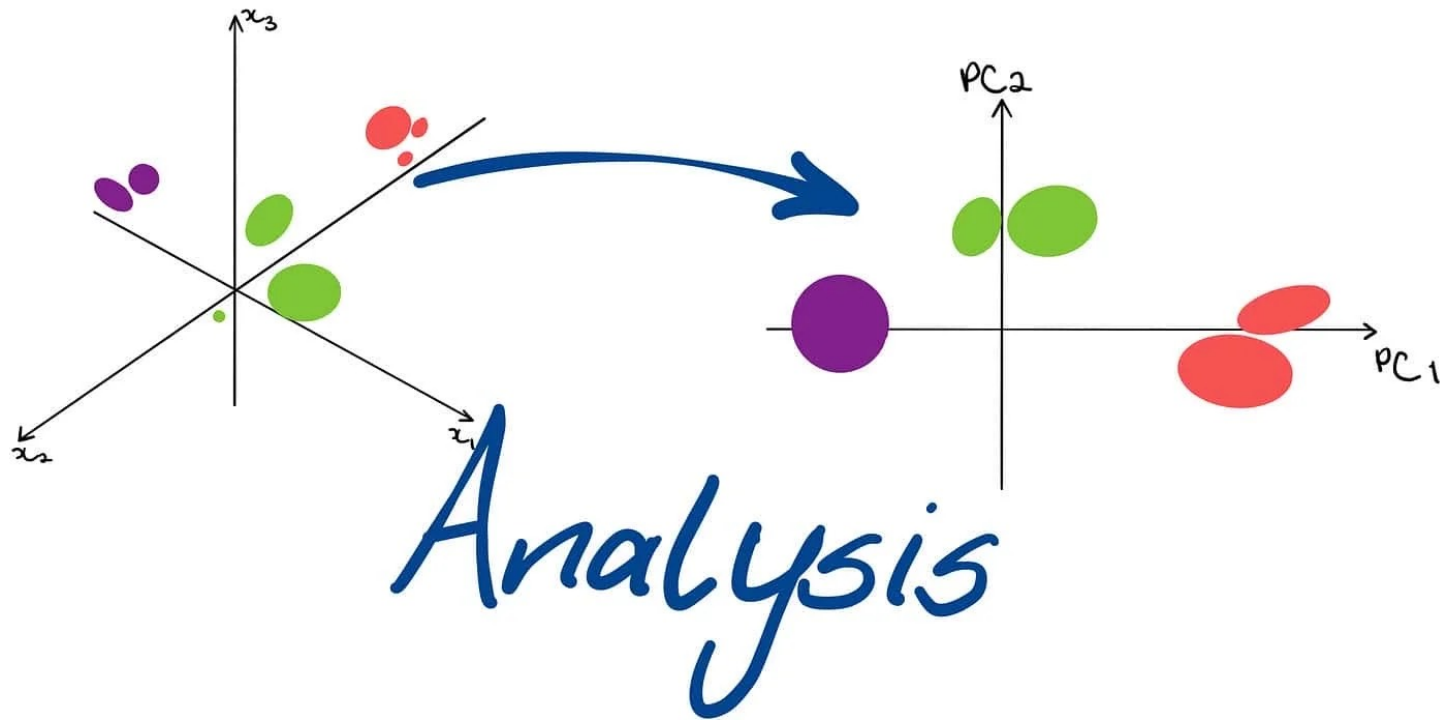
GAUSSIAN'S
TRANVERSE PROFILE
STD (**SC_TGAUSSIGMA**)



SLIMNESS



Principal Component



- ◎ Ultimate *calibration*
- ◎ Determine *quality cuts*
- ◎ Determine *cuts to discriminate* between ER and NR on AmBe data
- ◎ *Unfold* AmBe spectrum
- ◎ Repeat the *same analysis* on the *whole Run5 dataset*

