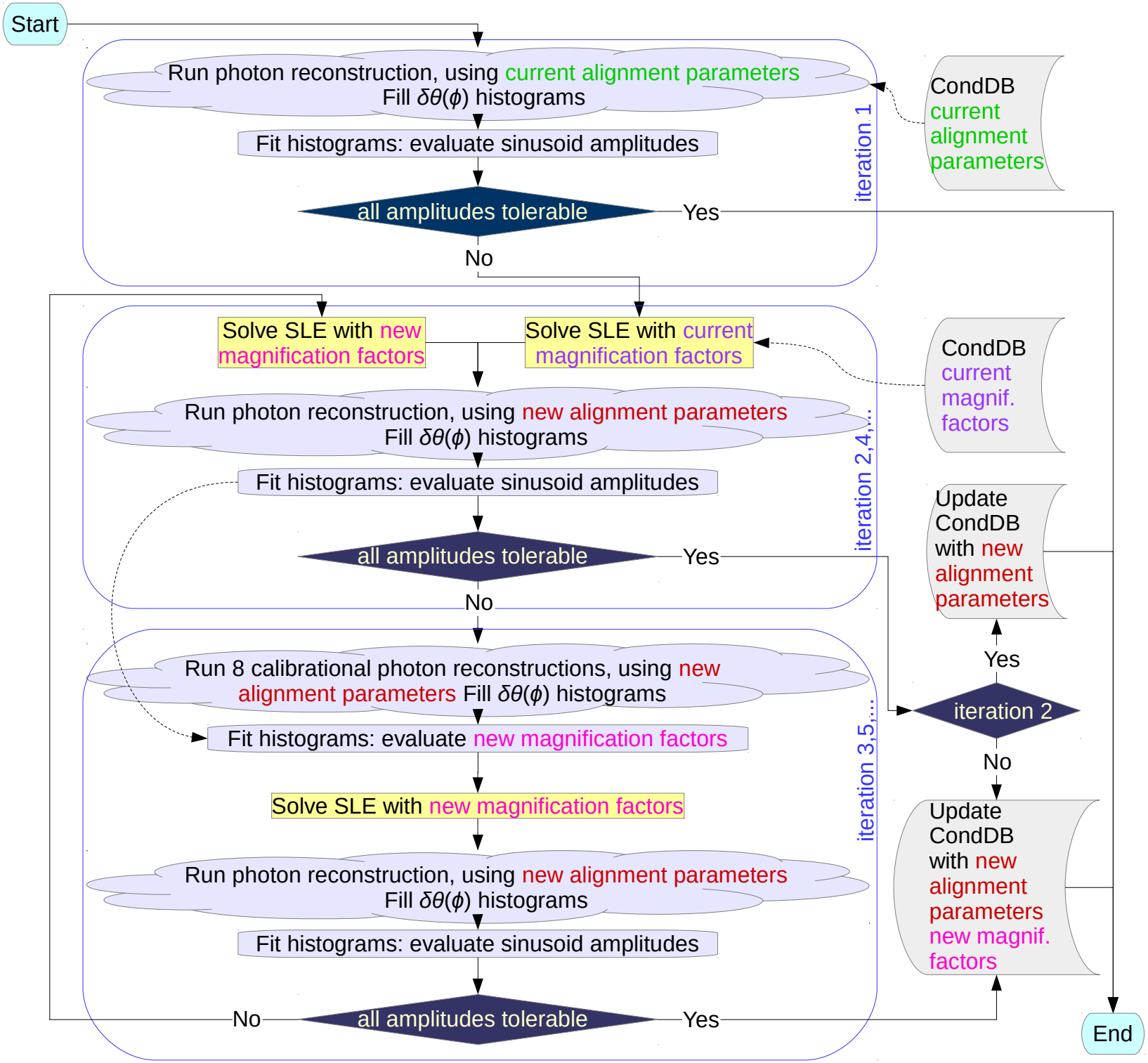
Start
Run photon reconstruction, using current alignment parameters
Fill δθ(ϕ) histograms
Fit histograms: evaluate sinusoid amplitudes
all amplitudes tolerable
Yes
No
iteration 1
CondDB current alignment parameters
Solve SLE with new magnification factors
Solve SLE with current magnification factors
CondDB current magnif. factors
Run photon reconstruction, using new alignment parameters
Fill δθ(ϕ) histograms
Fit histograms: evaluate sinusoid amplitudes
all amplitudes tolerable
Yes
No
iteration 2,4,...
Update CondDB with new alignment parameters
Yes
iteration 2
No
Run 8 calibrational photon reconstructions, using new alignment parameters Fill δθ(ϕ) histograms
Fit histograms: evaluate new magnification factors
Solve SLE with new magnification factors
Run photon reconstruction, using new alignment parameters
Fill δθ(ϕ) histograms
Fit histograms: evaluate sinusoid amplitudes
No
all amplitudes tolerable
Yes
iteration 3,5,...
Update CondDB with new alignment parameters new magnif. factors
End