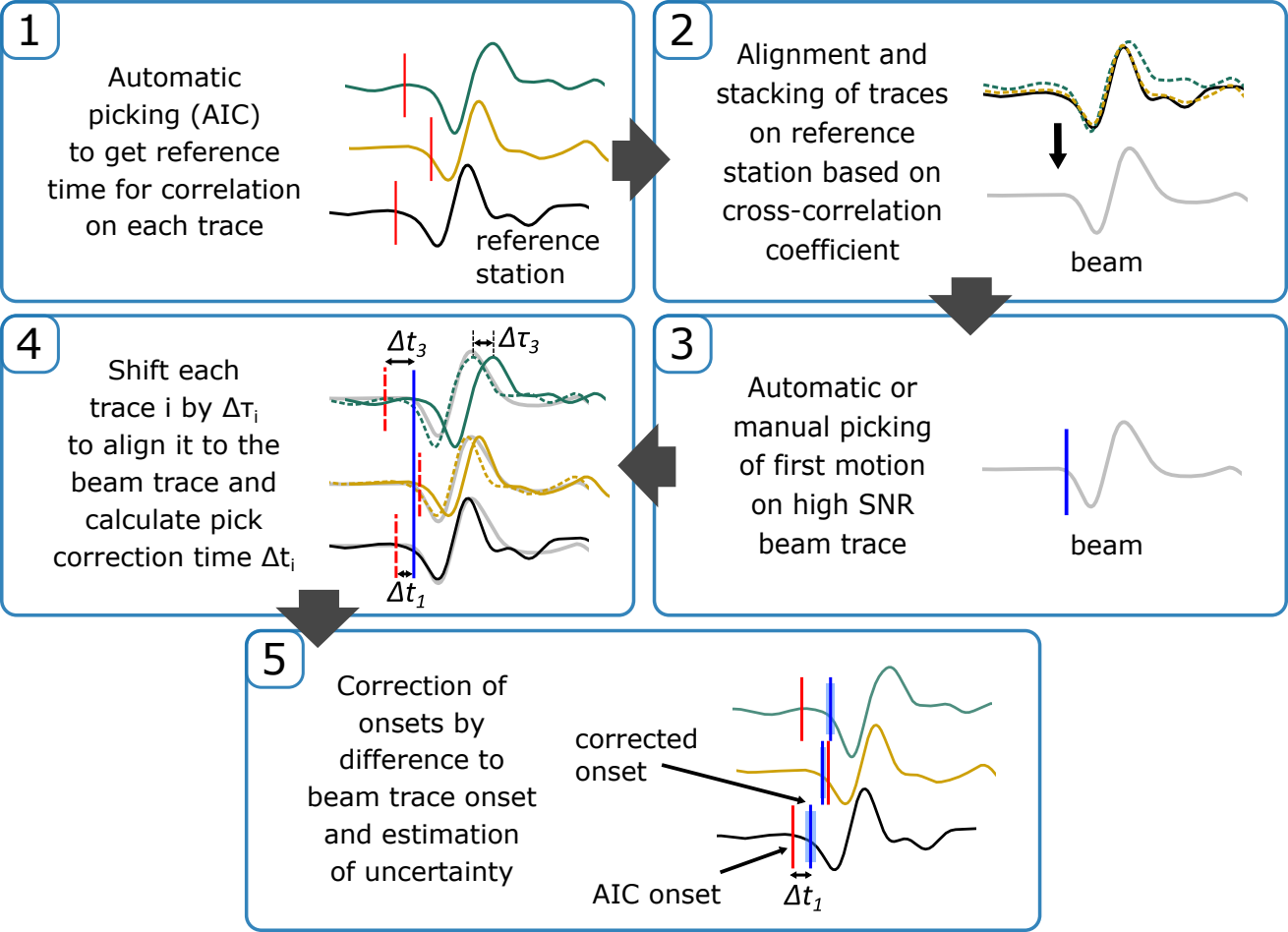
1
Automatic picking (AIC) to get reference time for correlation on each trace
reference station
2
Alignment and stacking of traces on reference station based on cross-correlation coefficient
beam
3
Automatic or manual picking of first motion on high SNR beam trace
beam
4
Shift each trace i by $\Delta\tau_i$ to align it to the beam trace and calculate pick correction time Δt_i
Δt_3
$\Delta\tau_3$
Δt_1
5
Correction of onsets by difference to beam trace onset and estimation of uncertainty
corrected onset
AIC onset
Δt_1