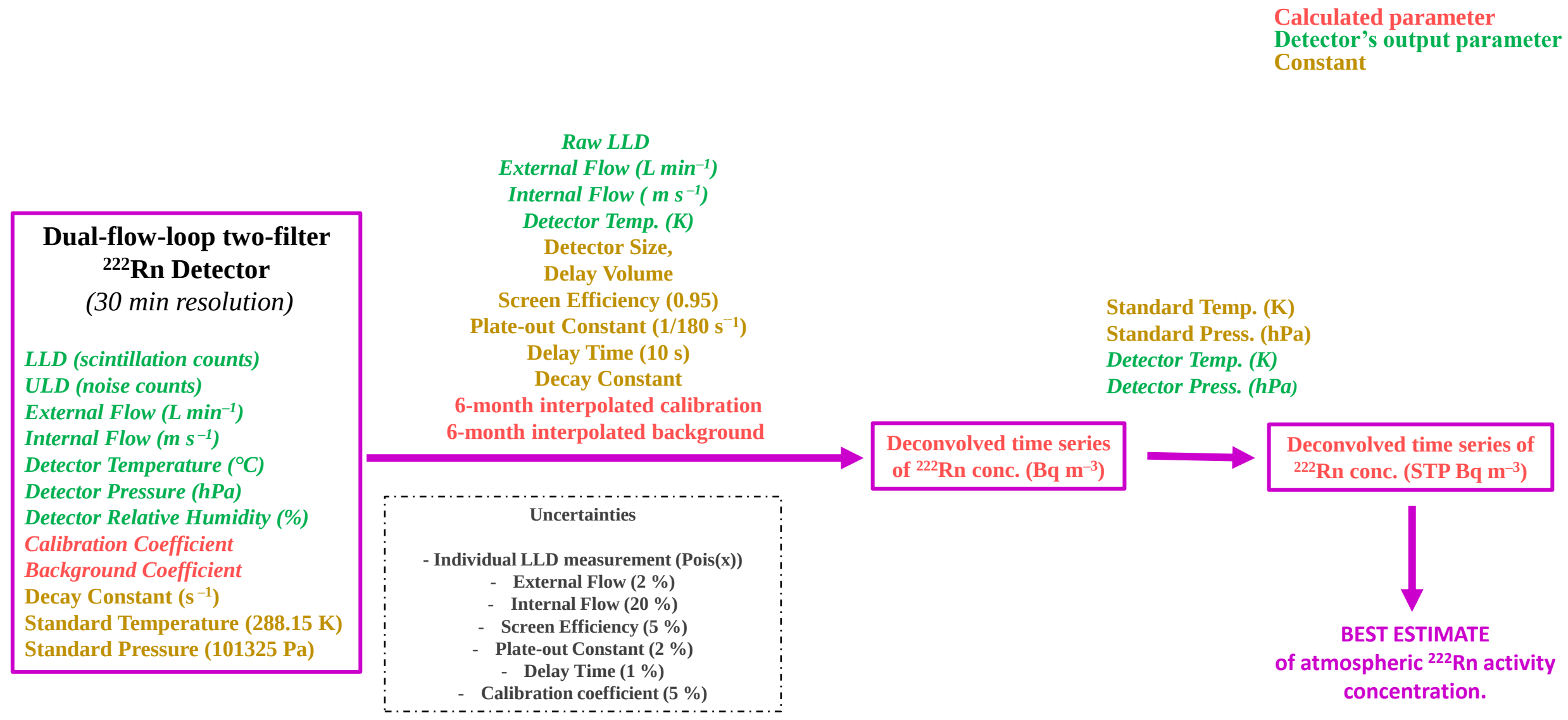
Calculated parameter
Detector's output parameter
Constant
Dual-flow-loop two-filter
222Rn Detector
(30 min resolution)
LLD (scintillation counts)
ULD (noise counts)
External Flow (L min−1)
Internal Flow (m s−1)
Detector Temperature (°C)
Detector Pressure (hPa)
Detector Relative Humidity (%)
Calibration Coefficient
Background Coefficient
Decay Constant (s−1)
Standard Temperature (288.15 K)
Standard Pressure (101325 Pa)
Raw LLD
External Flow (L min−1)
Internal Flow (m s−1)
Detector Temp. (K)
Detector Size,
Delay Volume
Screen Efficiency (0.95)
Plate-out Constant (1/180 s−1)
Delay Time (10 s)
Decay Constant
6-month interpolated calibration
6-month interpolated background
Uncertainties
- Individual LLD measurement (Pois(x))
- External Flow (2 %)
- Internal Flow (20 %)
- Screen Efficiency (5 %)
- Plate-out Constant (2 %)
- Delay Time (1 %)
- Calibration coefficient (5 %)
Deconvolved time series of 222Rn conc. (Bq m−3)
Standard Temp. (K)
Standard Press. (hPa)
Detector Temp. (K)
Detector Press. (hPa)
Deconvolved time series of 222Rn conc. (STP Bq m−3)
BEST ESTIMATE
of atmospheric 222Rn activity concentration.