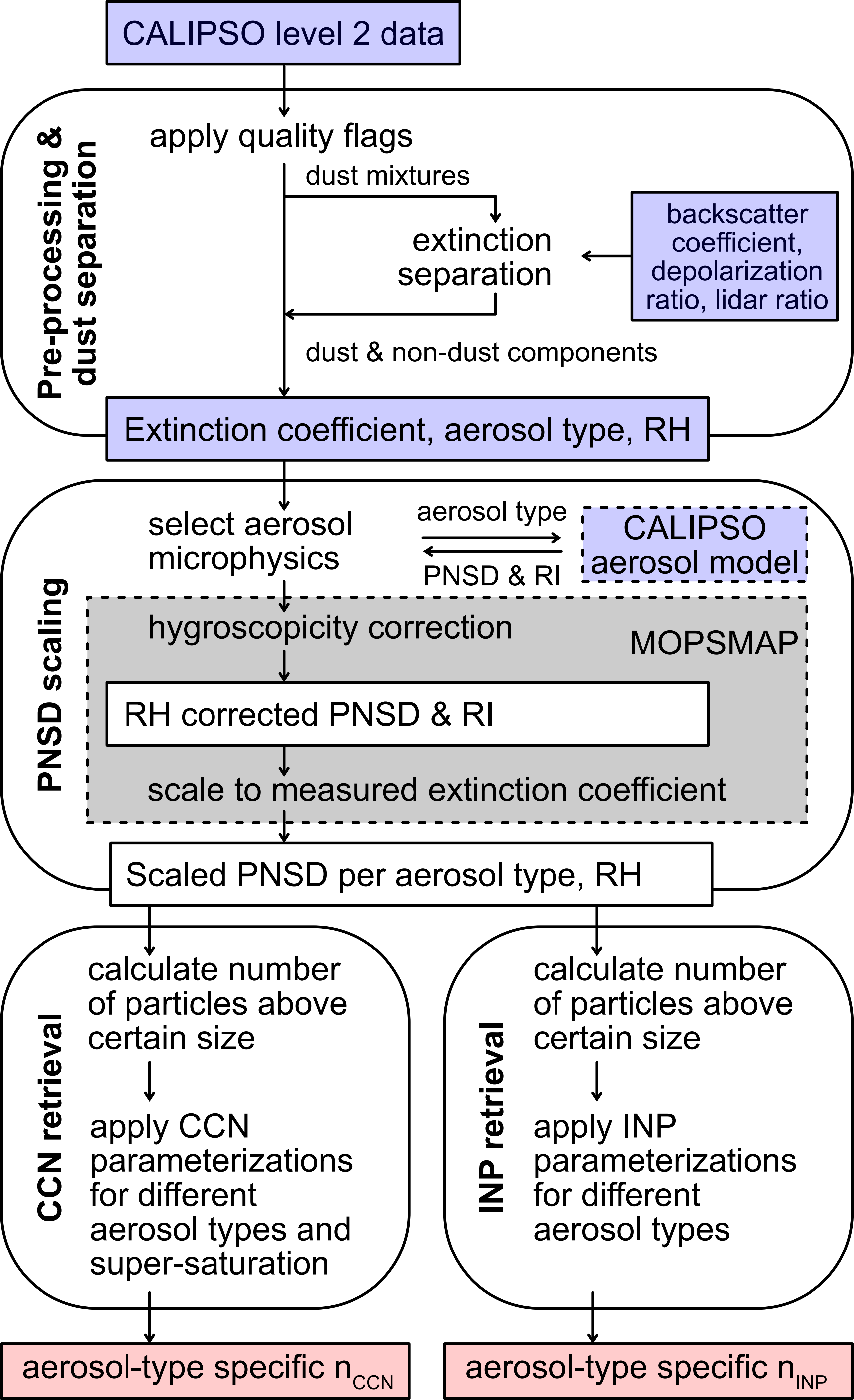
CALIPSO level 2 data
Pre-processing & dust separation
apply quality flags
dust mixtures
extinction separation
backscatter coefficient, depolarization ratio, lidar ratio
dust & non-dust components
Extinction coefficient, aerosol type, RH
PNSD scaling
select aerosol microphysics
aerosol type
PNSD & RI
CALIPSO aerosol model
hygroscopicity correction
MOPSMAP
RH corrected PNSD & RI
scale to measured extinction coefficient
Scaled PNSD per aerosol type, RH
CCN retrieval
calculate number of particles above certain size
apply CCN parameterizations for different aerosol types and super-saturation
INP retrieval
calculate number of particles above certain size
apply INP parameterizations for different aerosol types
aerosol-type specific n_{CCN}
aerosol-type specific n_{INP}