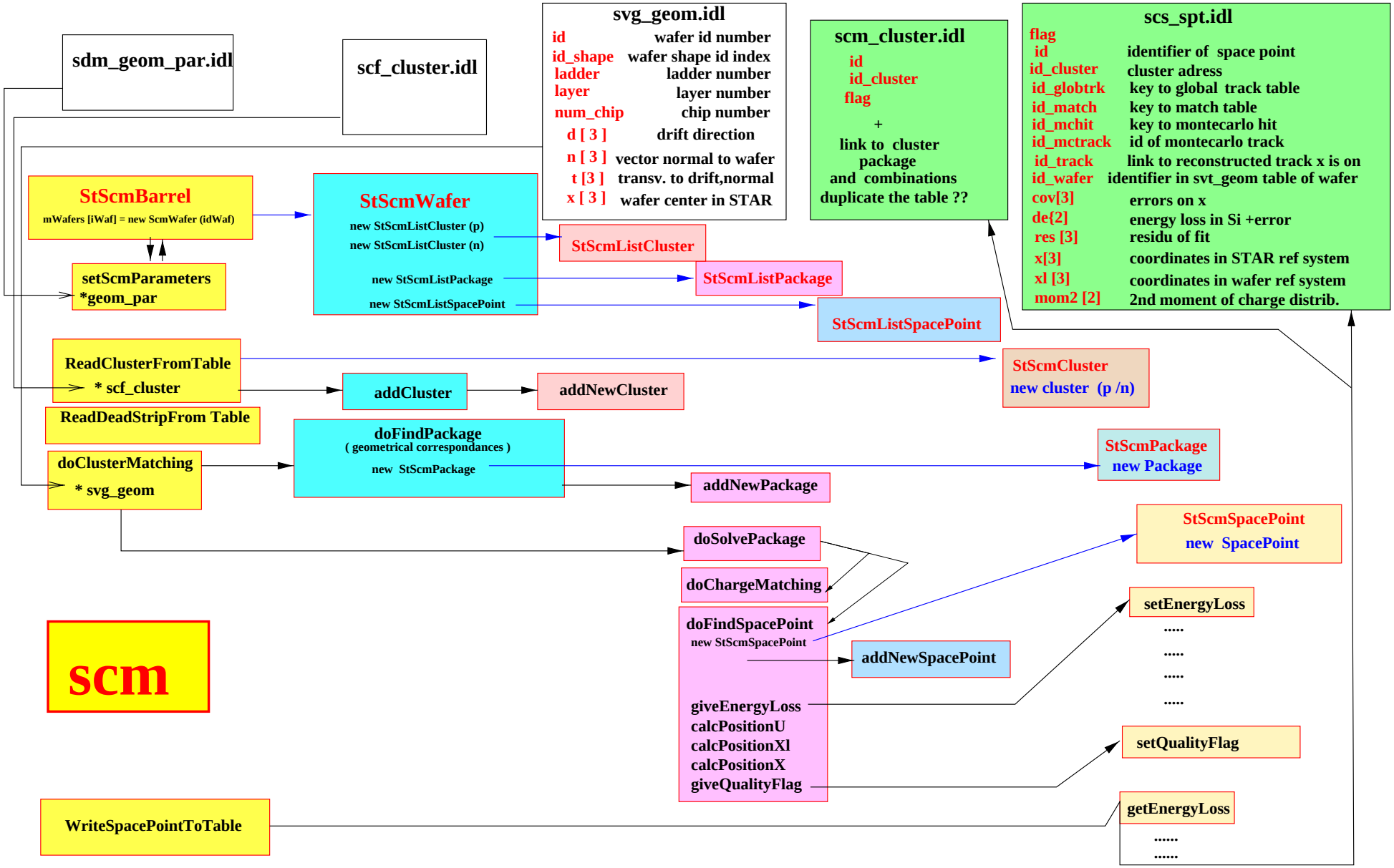
sdm_geom_par.idl
scf_cluster.idl
svg_geom.idl
id wafer id number
id_shape wafer shape id index
ladder ladder number
layer layer number
num_chip chip number
d [3] drift direction
n [3] vector normal to wafer
t [3] transv. to drift,normal
x [3] wafer center in STAR
scm_cluster.idl
id
id_cluster
flag
+
link to cluster package
and combinations
duplicate the table ??
scs_spt.idl
flag
id identifier of space point
id_cluster cluster adress
id_globtrk key to global track table
id_match key to match table
id_mchit key to montecarlo hit
id_mctrack id of montecarlo track
id_track link to reconstructed track x is on
id_wafer identifier in svt_geom table of wafer
cov[3] errors on x
de{2] energy loss in Si +error
res [3] residu of fit
x[3] coordinates in STAR ref system
xl [3] coordinates in wafer ref system
mom2 [2] 2nd moment of charge distrib.
StScmBarrel
mWafers [iWaf] = new ScmWafer (idWaf)
StScmWafer
new StScmListCluster (p)
new StScmListCluster (n)
new StScmListPackage
new StScmListSpacePoint
StScmListCluster
StScmListPackage
StScmListSpacePoint
setScmParameters
*geom_par
ReadClusterFromTable
* scf_cluster
addCluster
addNewCluster
StScmCluster
new cluster (p /n)
ReadDeadStripFrom Table
doFindPackage
(geometrical correspondances)
new StScmPackage
StScmPackage
new Package
doClusterMatching
* svg_geom
addNewPackage
doSolvePackage
StScmSpacePoint
new SpacePoint
doChargeMatching
setEnergyLoss
.....
doFindSpacePoint
new StScmSpacePoint
addNewSpacePoint
giveEnergyLoss
calcPositionU
calcPositionXl
calcPositionX
giveQualityFlag
setQualityFlag
scm
WriteSpacePointToTable
getEnergyLoss
.....