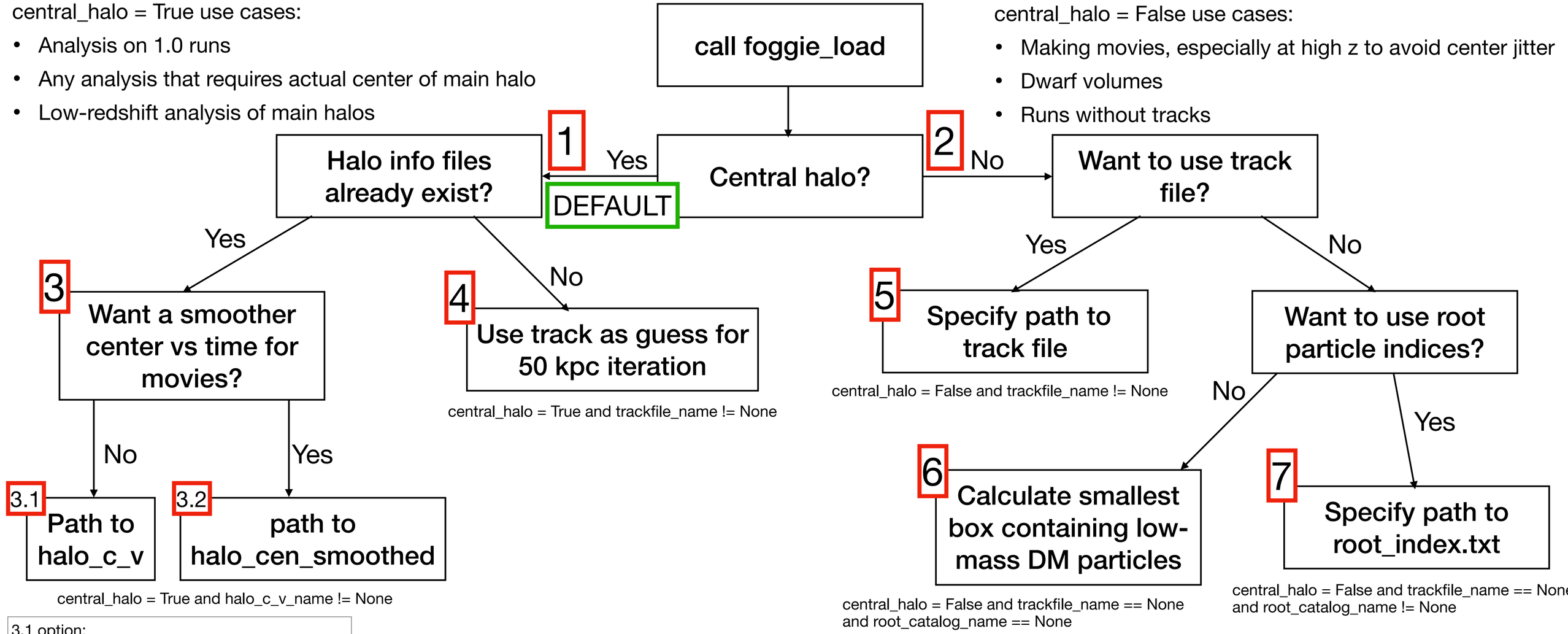
central_halo = True use cases:

- Analysis on 1.0 runs
- Any analysis that requires actual center of main halo
- Low-redshift analysis of main halos

central_halo = False use cases:

- Making movies, especially at high z to avoid center jitter
- Dwarf volumes
- Runs without tracks



3.1 option:
if trackfile_name == None, return whole domain.
If trackfile_name != None, return refine_box

If using central_halo = True, must specify either halo_c_v_name or trackfile_name or both

central	halo_info	branch	resulting center	function	resulting region
TRUE	yes	3.1	unmodified halo_c_v	get_center_from_catalog	entire domain, or track box
TRUE	smoothed	3.2	smoothed halo_c_v	get_center_from_smoothed_catalog	entire domain
TRUE	no	4	search with guess from track	get_center_from_calcuated	track box
FALSE	-	5	center of track box	get_center_from_track	track box
FALSE	-	6	center of highest-res DM region	get_center_from_DM_region	same region
FALSE	-	7	center of mass of root particles	get_center_from_root_catalog	entire domain