



Figure 2. The intersection of the laser beam, the FOV x DOF and the projection of the pinhole (placed in the particle detector optics) at the scattering center. (a) A perspective view, (b) a cross sectional view of on the imaging plane at the scattering center, (d) a cross sectional view perpendicular to the laser beam at the scattering center and (c) the effective detection volume of PHIPS. DOF: Depth-of-field, FOV_h : Field-of-view height, and FOV_w : Field-of-view width. DOF (camera2) , $\text{FOV}_h \text{ (camera2)}$ and $\text{FOV}_w \text{ (camera1)}$ are not assigned on the drawing for clearness.