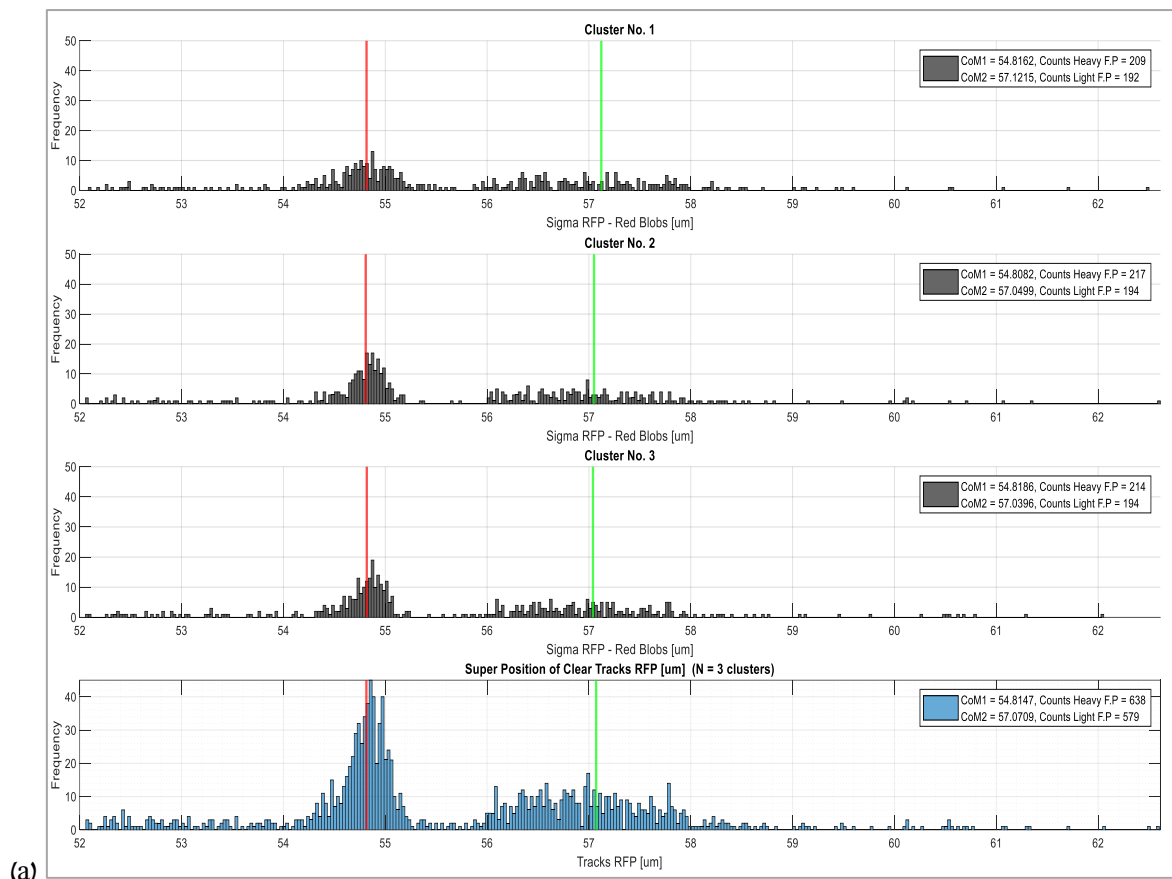




(b)

Stochastic uncertainty reduction:	42.3%
σ improvement factor ($\sqrt{N}$):	1.73×
Effective count gain:	+73%

Figure 1 – (a) Synthetic Image Data analysis: 3 Clusters Superposition made with the same $0.1\mu\text{m}$ ^{235}U Particle with 100% Enrichment using Aerogel as a spacer with Density of 0.04g/cm^3 (b) Superposition benefit for $N=3$