

Polydispersity

The size distribution of particles leads to smearing effects. The scattered intensity reads

I_{poly}

Unknown macro: {poly}

$I(q, x) = \int_0^x$

Unknown macro: {infty}

$G(x, r) I(q, r) dr$

where $G(x, r)$ characterizes the distribution function such that $\int G(x, r) dr = 1$.