Are low resolution data important in MX

Don Jorge Navaza

IBS, Laboratoire de Microscopie Electronique Structurale (LMES), Grenoble, France

Low resolution XR data are important when using EM reconstructions as putative models for molecular replacement, as these models are typically valid only at low resolution (lower than 15 A for reconstructions based on negative stained samples). Complete low resolution data are also important to start phase extension by non-crystallographic symmetry averaging. This will be illustrated with examples of viral particles and oligomeric proteins.