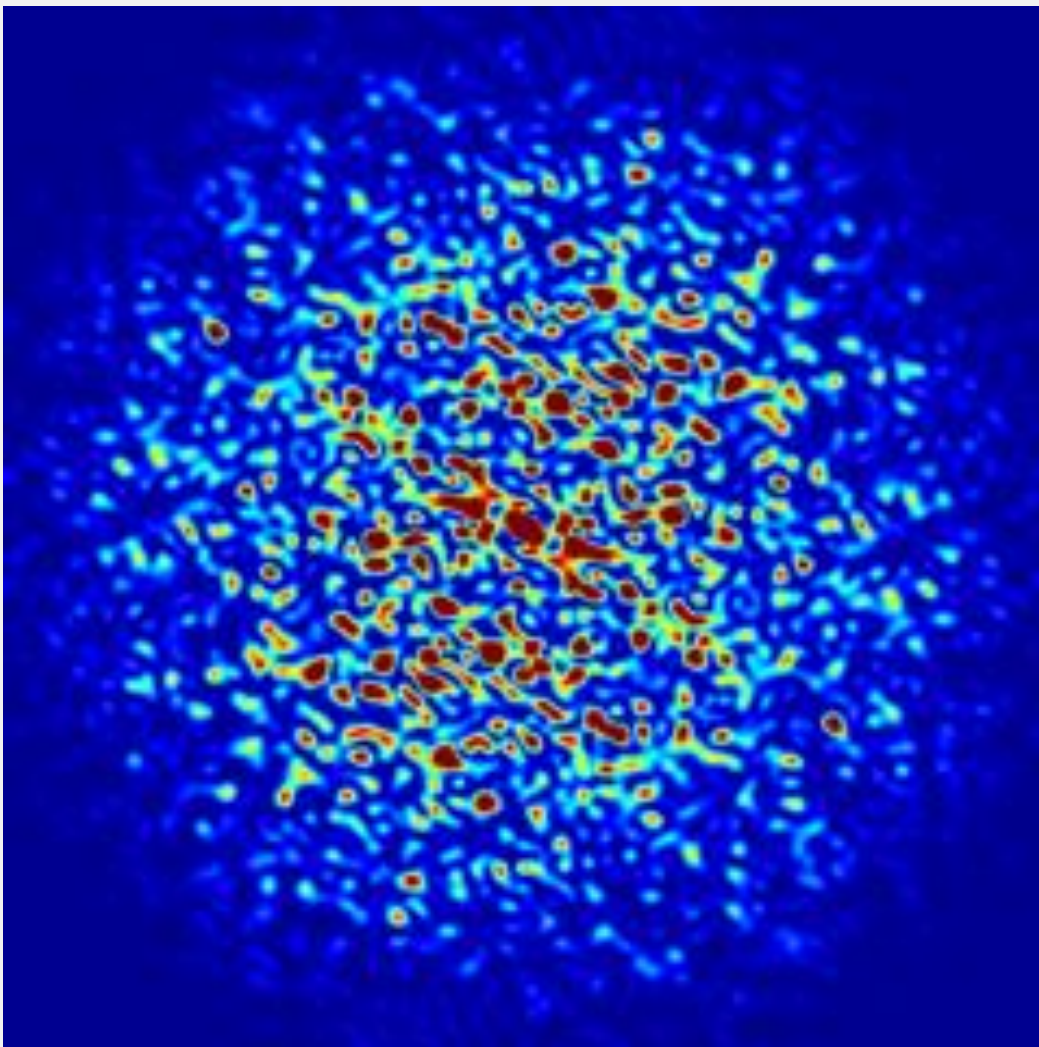


Advanced Photon Source Upgrade Project Preliminary Design Report



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Cover illustration:

A simulation of a speckled scattering pattern produced by particles undergoing fast Brownian motion. The detail in the speckle pattern demonstrates the over two-order of magnitude increase in x-ray coherence that will be produced by the APS-U and XPCS Feature Beamline. Image courtesy of Zhang Jiang, Argonne National Laboratory, Argonne, IL.

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