Neutrons for New Discoveries and Solutions

3-SOURCE STRATEGY

1. cutting-edge laboratory
2. world-class facilities
3. advanced neutron sources

High Flux Isotope Reactor (HFIR)
- Highest steady-state brightness of thermal and cold neutrons
- Parametric studies
- Kinetics

Spallation Neutron Source (SNS)
- Highest peak brightness of thermal neutrons
- High-resolution crystallography
- Fast and high-energy dynamics

Second Target Station
- Highest peak brightness of cold neutrons
- Broader perspective
- Materials in action

Proton Power Upgrade (PPU):
- Doubles the power of the existing accelerator structure
- Provides new science capabilities for atomic resolution and fast dynamics
- Provides a platform for STS