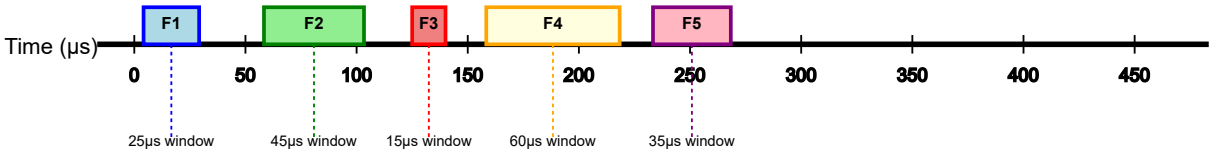
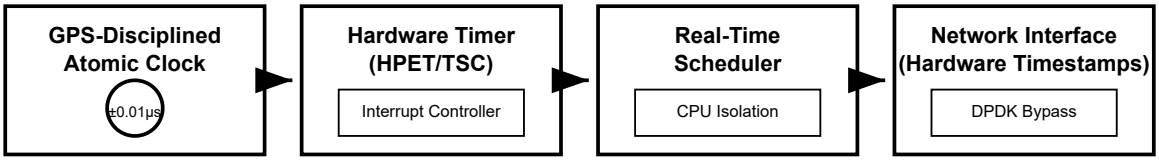
Figure 2: Microsecond Timing Window Distribution

Temporal Fragment Scheduling (±0.1μs Precision)



Hardware Timing Architecture



AI Agent Timing Optimization (MWRASP Defense)

Defensive AI Agent Capabilities:

- Pattern Analysis: Entropy ≥256 bits, unpredictable timing sequences
- Threat Detection: Real-time analysis of timing correlation attempts
- Adaptive Learning: Neural networks optimize fragment distribution
- Security Validation: Continuous monitoring against timing analysis
- Performance Optimization: Dynamic window adjustment (1-999μs)

Performance Specifications

Timing Precision:	±0.1 microseconds	**Throughput:**	1M fragments/second
Window Range:	1-999 microseconds	**Synchronization:**	Sub-microsecond accuracy
Jitter Tolerance:	±0.1 microseconds	**AI Agent Response:**	<10 microseconds
Scalability:	1000+ concurrent systems	**Security Level:**	Enterprise MWRASP