Elements of the proposals

- General science case for the cold neutron fundamental physics
  (Based on June 2000 North Carolina Workshop)

- Descriptions of several experiments that are likely candidates for use of the beam line (need to make a strong case why the SNS rather than continue at LANSCE or NIST)

✓ **$n + p \rightarrow d + \gamma$**	**Seppo Pentilla et.al.**
✓ **Neutron Spin Rotation**	**Blayne Heckel et.al.**
✓ **Neutron Decay Correlations**	**Scott Wilburn et.al.**
✓ **Neutron Lifetime via Trapped UCN**	**John Doyle et.al.**
✓ **Neutron Electric Dipole Moment**	**Martin Cooper et.al.**

- Description of the beam line including the requirements, cost, and schedule

  - ✓ **Make sure that all foreseeable needs are met**
    - **Include UCNs?**
    - **Include epithermal beamline?**
  - ✓ **As flexible as possible (include options?)**
  - ✓ **Close collaboration with SNS Experimental Facilities group**
  - ✓ **Engineering support**

- Management plan that describes the organization of the IDT and experiment selection processes

Who is responsible for what?

Timetable?

End of October (1st drafts)

General scientific case

Specific experiments, incl. requirements, and why the SNS

Decision on proposed layout of beamline (s)

- **Dual beamline?**
- **Length?**
- **Which specific beam elements?**

Management (IDT, etc.)

November

Circulate drafts

Layout of beamline(s)

Cost of beamline elements

December

Pull proposal together