



# ***Laboratory Management Perspective and Future Laser Operations***

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# ***Management Perspective***

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- **A trusted and experienced experimenter's inattentiveness failed to recognize hazards that should have been known and controlled**
- **Improved laser safety program and management implementation may have prevented accident**



# ***Management Actions***

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- **Immediate communications regarding root cause**
- **Immediate suspension of laser activities – reauthorization focused on removing contributing factors**
- **APS dealing with management issues**



# ***Lessons Learned (ANL/APS)***

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- **Clear definition of roles and responsibilities (esp. Laser Controlled Area Supervisor)**
- **Attention to “alignment mode” hazard controls**
- **Engineered controls to be implemented for “expert” mode in facilities**



# ***Lessons Learned (APS/ANL)***

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- **Independent experiment safety review**
  - Supplements laboratory safety reviews, and group/divisional reviews
  - Need to be implemented more rigorously at APS which has operated as a “block-funded” user facility
  - Carry lessons from user experiment safety review
- **Interdivisional responsibilities issue (ISM)**
- **Establish culture that recognizes it as unacceptable to take risks from an organizational as well as personal perspective**

